

*Research Article*

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## On some Microlepidoptera of Bahçesaray district (Van Province, East Turkey)

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**Abstract:** On the Microlepidoptera of Bahçesaray district (Van Province, East Turkey). *Priamus* 15 (3): 125-164, 105 figs.

This paper deals with the Microlepidoptera fauna of Bahçesaray district of Van Province (East Turkey). Totally 96 species of 16 families (*Adelidae*, *Alucitidae*, *Autostichidae*, *Brachodidae*, *Coleophoridae*, *Cosmopterigidae*, *Ethmiidae*, *Gelechiidae*, *Gracillariidae*, *Lecithoceridae*, *Oecophoridae*, *Pterophoridae*, *Scythridae*, *Tineidae*, *Tortricidae*, *Yponomeutidae*) are given.

Taxonomically, A new subgenus, *Neocallima* in the family *Oecophoridae* is established. A new subspecies, *Anchinia cristalis* ssp. *mukusensis* is described. Two species are reported here as new to the fauna of Turkey. Totally 49 species are new to the fauna of Van Province. The identity of *Aroga velocella* was opened to discussion. Various remarks to some species are also added.

**Key words:** Microlepidoptera, fauna, Lepidoptera, *Adelidae*, *Alucitidae*, *Autostichidae*, *Brachodidae*, *Coleophoridae*, *Cosmopterigidae*, *Ethmiidae*, *Gelechiidae*, *Gracillariidae*, *Lecithoceridae*, *Oecophoridae*, *Pterophoridae*, *Scythridae*, *Tineidae*, *Tortricidae*, *Yponomeutidae*, Bahçesaray, Van, Turkey, description, genitalia, new genus, new subspecies.

The first investigations on the Lepidoptera fauna of the district Bahçesaray (Van Province) were realized by the authors, during their field studies in 2016, with the following comprehensive publications on the groups, *Noctuidae*, *Geometridae*, Macro-*Heterocera*, and *Pyrallidae*, respectively (Kemal & Koçak, 2016a-c, 2017a). Besides, several new taxa of the families, *Pyrallidae* and *Tortricidae* from Bahçesaray have been published (Kemal & Koçak, 2017a-b). Faunistically, 432 species of the Lepidoptera have been listed from Bahçesaray, so far. This number reached 529 with the present study.

In the present paper, some of the Microlepidoptera species of 16 families, obtained during the authors' field studies in the last year, are listed and discussed in various topics. These families, together with the numbers of species, represented in Bahçesaray, are as follows: *Adelidae* (1), *Alucitidae*, *Autostichidae* (2), *Brachodidae* (1), *Coleophoridae* (12), *Cosmopterigidae* (1), *Ethmiidae* (4), *Gelechiidae* (13), *Gracillariidae* (2), *Lecithoceridae* (1), *Oecophoridae* (7), *Pterophoridae* (13), *Scythridae* (2), *Tineidae* (2), *Tortricidae* (32), *Yponomeutidae* (3).

Taxonomically, a new subgenus, *Neocallima* **n. subgen.**, and a new subspecies, *Anchinia cristalis mukusensis* **n. ssp.** are described.

Faunistically, 3 species are reported here as new to the fauna of Turkey. Totally 49 species are new to the fauna of Van Province. Besides, the necessary genitalic slides are prepared for the purpose of identifications of the species, and illustrated here. All the specimens were identified by the authors and preserved in the Biorepository CESA.<sup>2</sup>

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## Annotated list of the species

Totally 96 species of 16 families are listed alphabetically. Chronologically arranged synonyms are given to each taxa. Most of the original references are added to the species. Range of the species are mentioned as codes.<sup>3</sup> # denotes nomenclaturally unavailable name.

### Adelidae

#### 433. *Nemophora fasciella* (Fabricius, 1775)

Synonym(s): *fasciella* Fabricius, 1775; *schiffermillerella* [Denis & Schiffermüller], 1775; *fascia* Haworth, 1828; *schiffermuellerella* Treitschke, 1833; *annae* Zeller, 1853; *purpureus* Stainton, 1867 Original Reference: *Alucita fasciella* Fabricius, 1775, Syst. Ent.: 670. Type(s): "Anglia". Range (in code): FR IT GB BE NL DE AT PL CZ SK HU RO YU AL BG GR TR EE RU MD UA BY IL Pa 05 16 31 33 44 46 65 05A 31K 31Ka 31Ka5 65A 65Ai 65Am 65Am1 65F 65Fb

A diurnal species, flying in spring, and early summer in the openings of *Quercus* woodlands. Locally common.

### Alucitidae

Members of this family are common in the district. Apparently two species are recorded here; however they will be separately studied.

### Autostichidae

#### 434. *Apiletria endopercna* (Meyrick, 1936) (Fig. 1)

Synonym(s): *endopercna* Meyrick, 1936 Original Reference: *Aretascetis endopercna* Meyrick, 1936, Exot. microlep. 5: 4. Lectotype ♂: Iraq, Diana, designated by Gozmany (1965) (coll. Wiltshire, Tring Mus.). Range (in code): AM Cc IQ Bag Dia Bgd Mos SY Dms TR IR Fa Bne Bu Ha Avd Yz Ab Khy Kdj Th Sdt Km Kd Mrv Snj 06 13 23 33 42 44 56 65 06Y 13A 33O 42B 51D 51Da 56F 56F1 56Fs 65A 65Ai 65Np2 65Nm Prep. no: GP2067♂ GP2430♂

Nocturnal, uncommon. Male genitalia is illustrated below (Fig. 1).



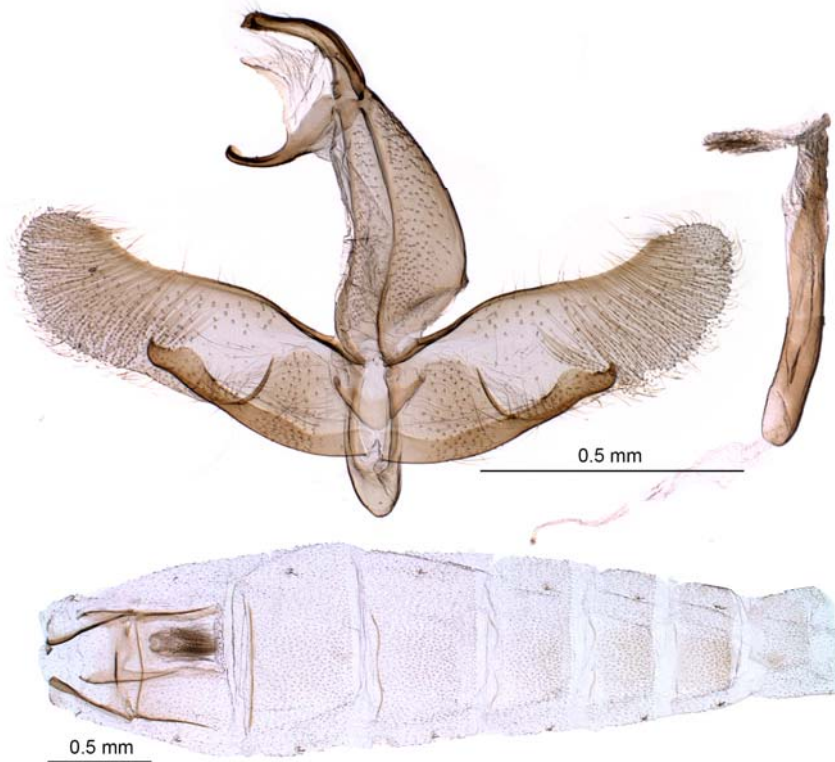
**Fig. 1** - *Apiletria endopercna*. Male genitalia. GP2430. Van Province, Bahçesaray, Paşaköy 1600m (65Ai), M. Kemal (Cesa)

<sup>3</sup> The codelist of the Cesa: <http://www.members.tripod.com/entcesa/Code.pdf>

**435. *Oegoconia caradjai* Popescu-Gorj & Capuse, 1965 (Figs. 2, 3)**

Synonym(s): *caradjai* Popescu-Gorj & Capuse, 1965 Original Reference: *Oegoconia caradjai* Popescu-Gorj & Capuse, 1965, Revue roum. Biol.-Zool. 6: 394-397, figs. Holotype ♂: Türkiye, Kazikoparan (MGAB) [examined] Range (in code): AET MA DZ Hsb TN Sfx Gf LY PT ES Mu FR Co Si BE IT GB DE CH CZ HU RO YU BG GR Cr Rd TR RU EG SA As UZ TJ IR Elb Mz Dam Plr Shh Srd Gls AZ AM GG Cc IQ LB Bsa NZ 05 06 42 50 65 71 76 05A 06R 06Y 42B 50G 65A 65Am 65Am4 76C Prep. no: GP2580♂

Nocturnal, uncommon. The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 2, 3).



**Figs. 2, 3 - *Oegoconia caradjai*.** Male genitalia and abdominal skin. GP2580. Van Province, Bahçesaray Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

***Brachodidae*****436. *Brachodes* sp.**

Diurnal, uncommon in the district. The identity of the single specimen captured is still unclear to us. Externally, it resembles to *candefactus* Led., or *buxeus* Kallies.

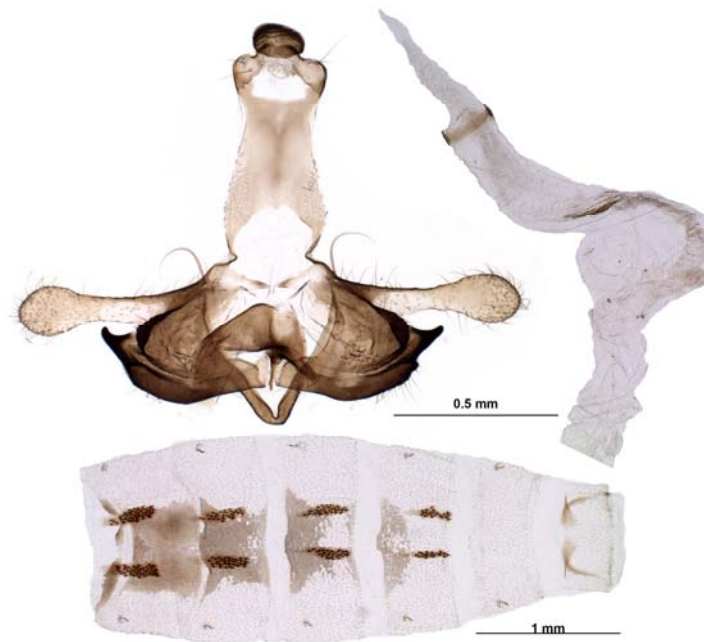
***Coleophoridae***

The members of this family are rich especially in the steppe of the mountains. There are unidentified species in this district more than identified. They are planned to be studied separately at a later date.

**437. *Coleophora albipennella* Staudinger, 1879 (Figs. 4,5)**

Synonym(s): *albipennella* Staudinger, 1879 Original Reference: *Coleophora albipennella* Staudinger, 1879, Horae Soc. ent. ross. 15: 359-360. Type ♂: [Türkei]: Amasia. Range (in code): TR AM Geg Eri Cc IR Elb Th Fa Kd RU Sb At MN 05 06 42 58 65 05A 06R 42B 58G 65A 65At 65At5 Prep. no: GP2606♂

The present record is new to the fauna of Van Province.



**Figs. 4 ,5 -** *Coleophora albipennella*. Male genitalia and abdominal skin, GP2606♂, Bahçesaray, Altındere 1950m (65At5), 4 7 2016, M. Kemal (Cesa)

**438. *Coleophora amethystinella* Ragonot,1885 (Figs. 6 - 8)**

Synonym(s): *amethystinella* Ragonot,1885; *metallica* Toll,1961 Original Reference: *Coleophora amethystinella* Ragonot,1885, Bull. Soc. ent. Fr. 1885: 181. Lectotype ♂: France: Cannes (Baldizzone, 1979: 76). Range (in code): ES An TR IL Pa PT FR MK IQ Agh MA Azr Ifr 35 44 65 44L 44Lc 65A 65Am 65Am2 Prep. no: GP2583♂ GP2595♂

The present record is new to the fauna of Van Province. The moth, male genitalia and abdominal skin are illustrated below (Figs. 6 - 8).



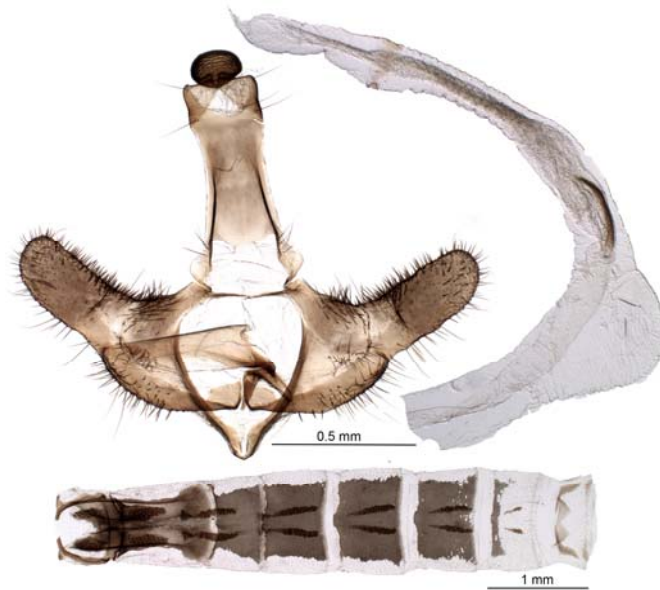
**Figs. 6 -8 -** *Coleophora amethystinella*. Upperside of male (left), male genitalia and abdominal skin. GP2595. Van Province, Bahçesaray, Upper Mukus valley 1800m (65Am2). M. Kemal (Cesa)

**439. *Coleophora caucasica* Stainton,1867 (Figs. 9- 13)**

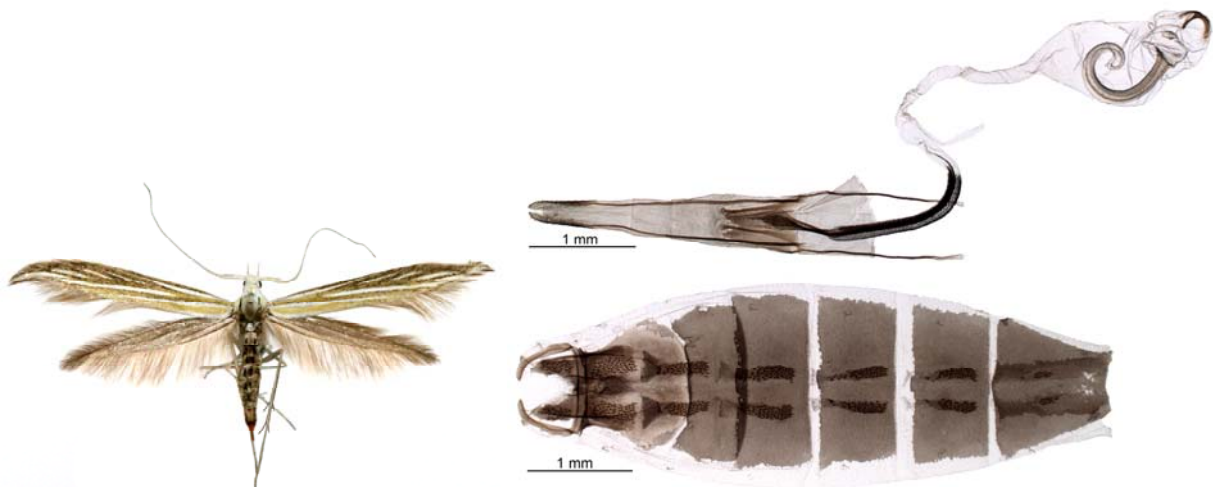
Synonym(s): *caucasica* Stainton,1867 Original Reference: *Coleophora caucasica* Stainton,1867, Tineina Syr.: 57. Type ♂: [Georgia]: "Achalzieh". Range (in code): GR Cc AM GG Akh TR RU Or Kyi KG 24 45 65 76 65A 65Ai 65Am 65Am4 65N 65Np1 65Nm 76C Prep. no: GP2575♂ GP2603♂ GP2629♂ GP2631♀ GP2635♂



The present record is new to the fauna of Van Province (Bahçesaray and Tuşba districts). This species is commoner in Tuşba district than Bahçesaray. Male genitalia and abdominal skin from Paşaköy are illustrated (**Figs. 9, 10**). From Mukus Valley, the female moth, female genitalia, and abdominal skin are also illustrated (**Figs. 11-13**). Chitinisations on the abdominal skins are sexually different remarkably (**Figs. 10, 13**).



**Figs. 9, 10** – *Coleophora caucasica*. Male genitalia and abdominal skin, GP2629. Bahçesaray, Paşaköy 1600m (65Ai), M. Kemal (Cesa)

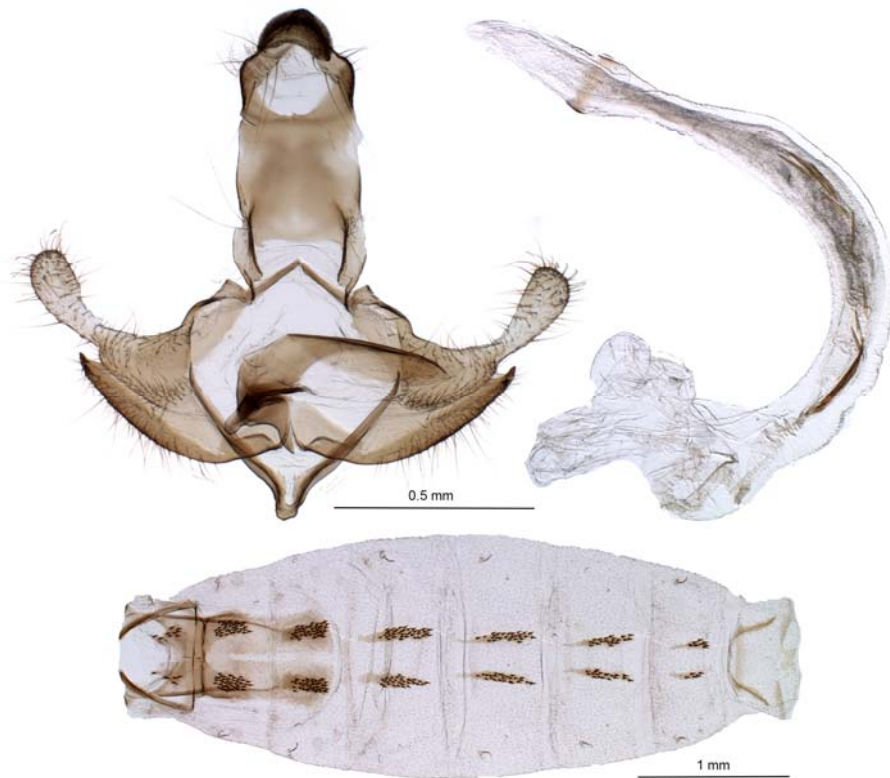


**Figs. 11 -13** – *Coleophora caucasica*. Upperside of female (left), Female genitalia and abdominal skin. GP2631 (right), Bahçesaray, Upper Mukus valley 1840m (65Am4) 3 6 2016, M. Kemal (Cesa)

**440. *Coleophora cracella* (Vallot,1835) (Figs. 14, 15)**

Synonym(s): *cracella* Vallot,1835; *lugduniella* Stainton,1859 Original Reference: *Tinea cracella* Vallot,1835, Compt. rend. séanc. Acad. Sci. 1: 101-103. Range (in code): ES FR SK HU BG TR RU MD UA BY RO 65 65A 65Am 65Am1 Prep. no: GP2584<sup>†</sup>

The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated (**Figs. 14, 15**).



**Figs. 14, 15** - *Coleophora cracella*. Male genitalia and abdominal skin GP2584, Bahçesaray Upper Mukus Valley (65Am1), M. Kemal (Cesa)

**441. *Coleophora iranella* Toll, 1959 (Figs. 16-18)**

Synonym(s): *#agramella* Rebel, 1935; *iranella* Toll, 1959; *agramella* Baldizzone, 1982 Range (in code):  
IR Elb Mz Dam Ab Mak Mrd Ak AF TR 14 65 65A 65An Prep. no: GP2468♂ GP2591♂

The present record is new to the fauna of Van Province. Male moth, male genitalia and abdominal skin are illustrated below (Figs. 16 -18).

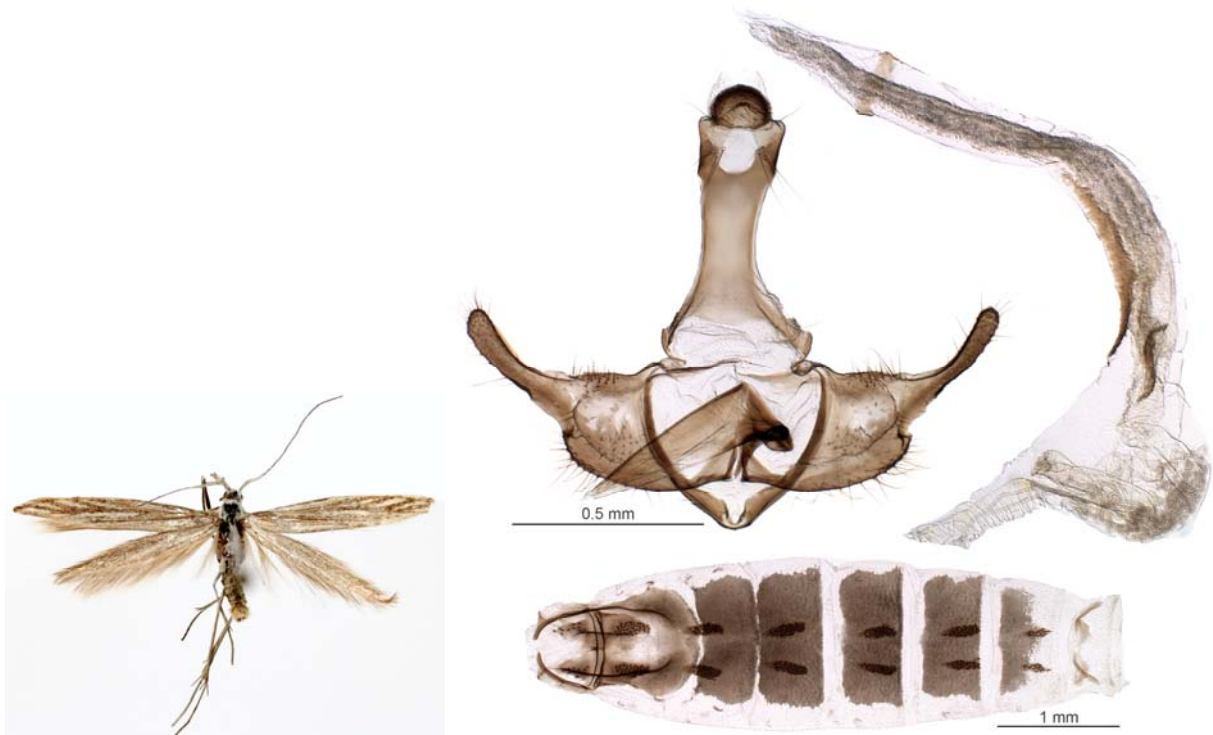


**Figs. 16 -18** – *Coleophora iranella*. Upperside of male (left), and its genitalia with abdominal skin, Bahçesaray, Vasting (65An), M Kemal (Cesa)

**442. *Coleophora* aff. *lixella* Zeller, 1849 (Figs. 19-21)**

Synonym(s): *lixella* Zeller, 1849 Original Reference: *Coleophora lixella* Zeller, 1849, Linn. ent. 4: 231. Lectotype ♂, designated by Baldizzone (1994: 141) (BMNH). Range (in code): ES FR IT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL TR Cc AM Geg Eri DK SE FI EE LV LT RU MD UA BY 05 06 29 38 42 50 58 65 05A 06F 06R 38C 38Ca 42J 50G 58G 65A 65Am 65Am4 Prep. no: GP2592♂ GP2593♂

The present record is new to the fauna of Van Province. Male moth, male genitalia and abdominal skin are illustrated below (Figs. 19-21).



**Figs. 19-21** – *Coleophora* aff. *lixella*. Upperside of male, male genitalia and abdominal skin. GP2593. Van Province, Bahçesaray, Upper Mukus valley 1840m (65Am4). M. Kemal (Cesa)

**443. *Coleophora onopordiella* Zeller, 1849 (Figs. 22, 23)**

Synonym(s): *onopordiella* Zeller, 1849; *eremica* Amsel, 1935; *cerinaula* Meyrick, 1936; *fusca* Toll, 1952; *pseudophlomidella* Toll, 1952; *sivandella* Toll, 1959; *litorella* Nemes, 2003 Original Reference: *Coleophora onopordiella* Zeller, 1849, Linn. Ent. 4: 213. Range (in code): FR IT AT PL CZ SK HU RO BG GR MK Och TR Cc AM Geg SY Dms IR Fa Elb Th Kdj IL Pa IQ Dia 05 06 23 25 33 38 42 45 46 50 51 58 65 71 05A 06R 06Y 25A 33B 38C 38Ca 42O 46H 50G 50Gd 51D 51Da 65A 65Am 65Am3 Prep. no: GP2562♂

The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 22, 23).

**444. *Coleophora trifolii* (Curtis, 1832) (Figs. 24, 25)**

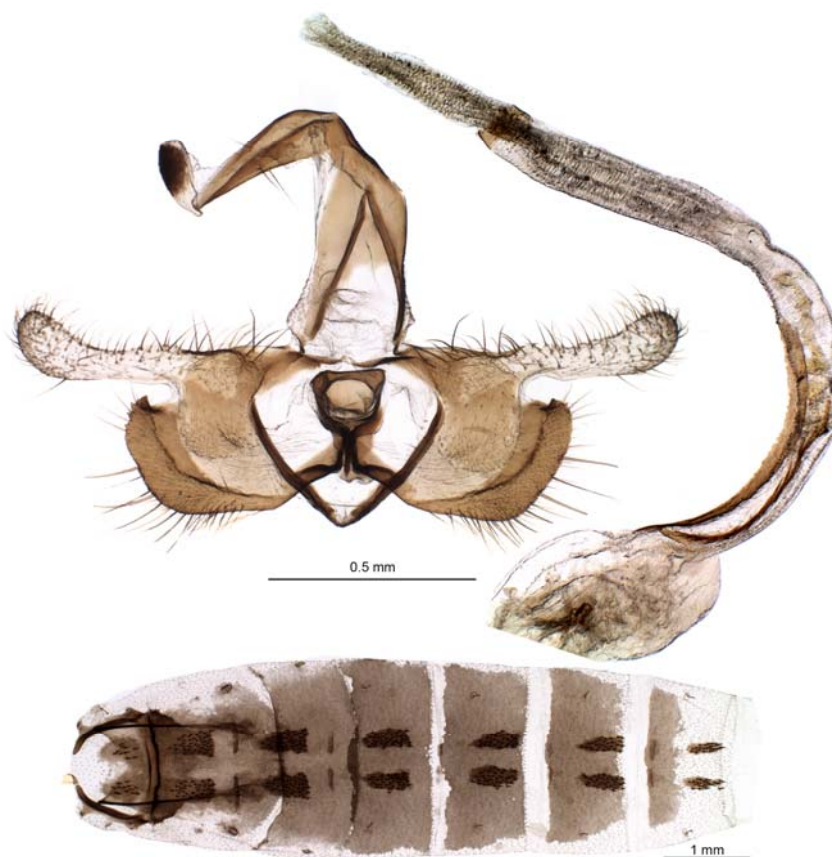
Synonym(s): *trifolii* Curtis, 1832; *chalybaella* Costa, [1836]; *melilotella* Scott, 1861. Range (in code): ES FR Si IT IE GB BE NL DE CH AT PL CZ SK HU RO YU BG GR Cr TR IR Elb Th AF DK NO SE FI EE LV LT RU MD UA BY IQ Agh Bgd CN Ui Kl CA BCo 05 35 50 65 05A 50G 65A 65An Prep. no: GP2570♂

The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 24, 25).





**Figs. 22, 23-** *Coleophora onopordiella*. Male genitalia and abdominal skin. GP2562. Van Province, Bahçesaray, Upper Mukus Valley 1840m (65Am4). M. Kemal (Cesa)



**Figs. 24 25-** *Coleophora* aff. *trifolii*. Male genitalia and abdominal skin. GP2570. Van province, Bahçesaray, Vasting (65An). M. Kemal Cesa)



**445. *Coleophora wockeella* Zeller, 1849 (Figs. 26- 28)**

Synonym(s): *wockeella* Zeller, 1849; *fumigatella* Caradja, 1920; *italiae* Toll, 1960 Range (in code): ES FR IT GB BE DE CH AT PL SK HU RO YU AL TR LV 05 06 16 45 46 65 05A 16A 65A 65Am 65Am4 Prep. no: GP2447♂

The present record is new to the fauna of Van Province. Male moth, male genitalia and abdominal skin are illustrated below (Figs. 26-28).



**Figs. 26-28-** *Coleophora wockeella*. GP2447. Upperside of male (left), male genitalia and abdominal skin (right), Bahçesaray Upper Mukus valley 1840m (65Am3) 23 6 2016, M. Kemal (Cesa)

**446. *Coleophora* sp. 1**

Material studied: 1♂. Van Province, Bahçesaray Krapet Pass 2820m, 6 8 2016. GP2594. M. Kemal & A. Koçak leg. (Cesa). This species couldnot be identified here at the specific level.

**447. *Coleophora* sp.2**

Material studied: 1♂. Van Province, Bahçesaray Liman Populetum 2320m, 6 8 2016. GP2596. M. Kemal & A. Koçak leg. (Cesa). This species couldnot be identified here at the specific level.

**448. *Coleophora* sp.3**

Material studied: 1♂. Van Province, Bahçesaray Altındere 1935m (65At5), 4 7 2016. GP2561. M. Kemal & A. Koçak leg. (Cesa). This species couldnot be identified here at the specific level.

***Cosmopterigidae*****449. *Eteobalea sumptuosella* (Lederer, 1855) (Figs. 29-31)**

Synonym (s): *sumptuosella* Lederer, 1855; *amseli* Osthelder, 1940 Original Reference: *Elachista sumptuosella* Lederer, 1855, Verh. zool.- bot. Ges. Wien 5: 234. Type: Libanon, Beirut. Range (in code): MA DZ Eba TN ES FR Co IT YU HV MK AL BG GR TR RU Cc MD UA BY LB Bei CY IL Js SY Hal TM AF Pag Kab KG Uk 05 06 16 42 46 58 65 05A 06R 65A 65Ac 65Ac3 65D 65Df 65Fz Prep. no: GP2639♂

This genus is poorly represented in this district, contrary to Saklıvadi (Çatak district) (Kemal & Koçak, 2017e). Male moth, male genitalia and abdominal skin are illustrated below (Figs. 29-31).



**Figs. 29 -31 - *Eteobalea sumptuosella*. GP2639. Upperside of male (left). Male genitalia and abdominal skin (right). Bahçesaray, Liman, Populetum 2320m (65Ac3) 6 8 2016, M. Kemal (Cesa)**

## ***Ethmiidae***

### **450. *Ethmia candidella* (Alpheraky,1908)**

Synonym(s): *candidella* Alpheraky,1908; *orientella* Caradja,1931. Original Reference: *Psecadia pusiella* var. *candidella* Alpheraky,1908, Horae Soc. ent. ross.38: 616-617. Syntypes: Russia: Taganrog. Range (in code): MA DZ TN PT ES FR IT CH AT CZ SK HU RO YU GR TR IL Jt Pa GG AM Cc IQ Bgd IR Fa Shr Elb Mz RU MD UA BY KG Tk KK UZ 13 16 21 36 42 46 65 71 73 13A 13Ab 13Ax 21N 21Nb 36D 36Db 65A 65Am 65Am4 65D 65Df 65F 65F1 65Fp 65Fz 65N 65Np 65Np7 65Nm.

Adults of the species fly by nights in the autumn. Its caterpillars are hidden under the leaves of *Boraginaceae* (*Echium*, *Anchusa*) in the spring. Common.

### **451. *Ethmia caradjae* (Rebel,1907)**

Synonym(s): *caradjae* Rebel,1907; *chosroes* Wiltshire,1947 Original Reference: *Psecadia caradjae* Rebel,1907, Dt. ent. Z., Iris 19: 237. Type ♂: [Türkei]: "Amasia mont." (MHNGAB). Range (in code): TR IQ Hjo Ry IR Fa 05 46 56 65 05A 46G 56F 65A 65An.

Adults fly by nights. Rare. The present record is new to the fauna of Van Province.

### **452. *Ethmia hakkarica* Koçak,1986**

Synonym(s): *hakkarica* Koçak,1986 Original Reference: *Ethmia hakkarica* Koçak,1986, Priamus 4 (1/2): 61-63, 3 figs. Holotype ♂: Turkey: Hakkari: Üzümcü, 1200m, 16.v.1976 (A.Koçak leg.) (coll. Cesa). Range (in code): TR 30 56 65 30B 30Bf 56F 56Fs 65A 65Am 65Am1 65D 65Df 65Fz Prep. no: GP520♂ (Holotype), GP2016♂

Adults fly by nights. Rare.

### **453. *Ethmia similis* Sattler,1967**

Synonym(s): *similis* Sattler,1967 Original Reference: *Ethmia similis* Sattler,1967, Microlepid. Palaearc. 2: 101, figs. Holotype ♂: [Türkei]: Kleinasien: Mardin. Range (in code): TR IR Ak Ab Cc 05 21 30 47 65 76 21L 21Lc 30B 65A 65Am 65Am1 65Am2 65D 76B 76Bh Prep. no: GP521♀

Adults fly by nights. Common.

### **454. *Ethmia tripunctella* (Staudinger,1879)**

Synonym(s): *tripunctella* Staudinger,1879 Original Reference: *Psecadia tripunctella* Staudinger,1879, Horae Soc. ent. ross. 15: 292-293. Lectotype ♂: [Türkei]: Amasia, designated by Sattler,1967: 131. Range (in code): MK BG TR IQ Ry Hjo IR Km 05 44 46 65 71 73 05A 65A 65Am 65Am4 65Am 65D 73D 73Df

Adults fly by nights. Common.

**Gelechiidae****455. *Aristotelia subericinella* (Duponchel,1843) (Fig. 32)**

Synonym(s): *subericinella* Duponchel,1843; *prohaskaella* Rebel,1907 Range (in code): DZ Cst ES FR Co Sa IT CH AT CZ SK HU RO YU BG GR TR KG UK MN RU Ur Sb Cc SS HV UA Cm o6 46 56 65 56F 56Fs 65A 65Ab 65Aba  
Prep. no: GP2428♂

The species is temporarily identified here. There are similar species in the *subericinella* species-group that cannot be identified for the time being (O. Karsholt, pers. comm.).

Adults fly by nights. Common. The present record is new to the fauna of Van Province. Male genitalia is illustrated below (Fig. 32).



**Fig. 32** - *Aristotelia subericinella* sp. group. GP2428. Male genitalia (lateral view with removed aedeagus). Bahçesaray, M. Kemal (Cesa)

**456. *Aroga aristotelis* (Millière,1876) (Figs. 33 – 35)**

Synonym(s): *aristotelis* Millière,1876; *astragali* Staudinger,1879; *fulminella* Millière,1882; *lacertella* Walsingham,1904; *#aplasticella* Rebel,1913; *hyrcanella* Toll,1948 Original Reference: *Gelechia aristotelis* Millière,1876, Cat. Lép. Alpes-Maritimes (3): 324, 414, pl.1 fig.1,2. Type: France, Alpes-Maritimes. Range (in code): DZ Bsk Ktr TN Gf ES FR Si IT RO BG AL GR TR GG Cc IR Elb Mz Plr Kdv Kh IQ Ry RU Ur MN o1 o5 21 33 42 46 65 71 o5A 33O 42B 65A 65Ai 65N 65Np2 65Nm GP2129♂, GP2133♂.

Adults fly by nights in summer. Common in the province. The present records from Tuşba district (65N) and Bahçesaray (65A) are new to the fauna of Van Province. Upperside of male, male genitalia together with abdominal tergite- sternite, and abdominal skin are illustrated below (Figs. 33-35).



**Figs. 33 – 35** - *Aroga aristotelis*. Upperside of male (top left), male genitalia together with abdominal tergite and sternite (top right), abdominal skin (below), GP 2129♂. Van Prov. Tuşba district, Ağartı 1950m (65Np2), 27 6 2014, M. Kemal & A. Koçak leg., prep. by M. Kemal (Cesa)

**457. *Aroga velocella* (Zeller,1839) (Figs. 36 -38)**

Synonym(s): *velocella* Zeller,1839; *subsequella* Treitschke,1833; *nebulea* Stephens,1835; *affiniella* Zetterstedt,[1839]; *tesserella* Zetterstedt,[1839]; *brunnea* Schöyen,1882; *aterrimella* Rebel,1889; *peperistis* Meyrick,1926; *rupicolella* Müller-Rutz,1934. Original Reference: *Lita velocella* Zeller,1839, Isis von Oken 1839: 198. Range (in code): ES FR Sa IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU Ur Sb Cc MD UA BY o6 16 33 65 o6R 16A 65A 65Ai

The genus is currently represented by 5 species in Turkey. These are: *aristotelis*, *kurdistan*, *flavicomella*, *pascuicola*, and *velocella*. Externally this species looks like to *velosella* to some degree. After comparing the male genitalia, illustrated by Huemer & Karsholt (1999: 259, fig.121), some deviations are seen, i.e., less curved valva, shorter terminal spine of valva, more slender, etc. These cases can be discussed.

Material studied: 1♂. East Turkey, Van Province, Bahçesaray, Paşaköy 1600m 4 8 2016, GP2641♂, M. Kemal (Cesa).

This nocturnal species is new to the fauna of Van Province. Upperside of male, male genitalia together with abdominal tergite- sternite, and abdominal skin are illustrated below (Figs. 36 - 38).



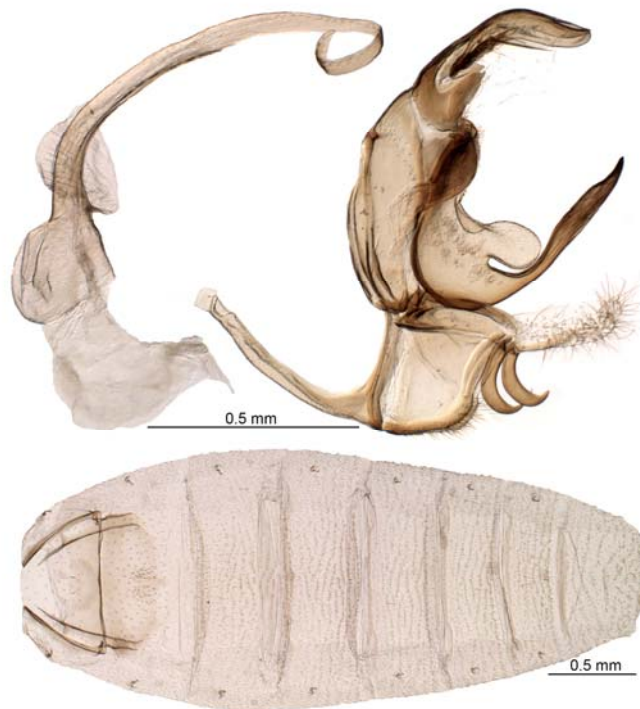
**Figs. 36- 38** – *Aroga velocella*. Upperside of male (left). Male genitalia (GP2641♂), viii. abdominal sternite, and abdominal skin (right). Bahçesaray, Paşaköy (65Ai), M. Kemal (Cesa)

**458. *Bryotropha tachyptilella* (Rebel,1916) (Figs. 39, 40)**

Synonym(s): *tachyptilella* Rebel,1916. Original Reference: *Lita tachyptilella* Rebel,1916, Verh. zool.- bot. Ges. Wien 66: (44). Lectotype ♂: Bulgaria, Burgas (designated by Karsholt & Rutten, 2005: 108). Range (in code): SK HU BG TR RU RO UA Cm o6 23 32 42 65 o6R 23L 42B 65A 65An Prep. no: GP2642♂.

The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 39, 40).





**Figs. 39, 40** - *Bryotropha tachyptilella*. Male genitalia and abdominal skin. GP2642. Van Province, Bahçesaray, Vasting 1660m (65An), M. Kemal (Cesa)

**459. *Isophrictis striatella* ([Denis & Schiffermüller],1775)**

Synonym(s): *striatella* [Denis & Schiffermüller],1775; *tanacetella* Schrank,1802 Original Reference: *Tinea striatella* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 135. Type(s): [Austria]: Vienna district. Range (in code): PT ES FR Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Rd TR DK NO SE FI EE LV LT RU MD UA BY KG Uk 16 31 48 65 16A 31K 31Ka 48L 65A 65Am 65Am4

Adults fly by days and nights. Common.

**460. *Metzneria* sp.**

Members of this genus are usually nocturnal and common in the spring. The present species, recorded in the district (Upper Mukus valley [65Am1]), couldnot be identified here at the specific level. GP2601♂.

**461. *Nothris gregersemi* Karsholt & Sumpich,2015**

Synonym(s): *gregersemi* Karsholt & Sumpich,2015 Original Reference: *Nothris gregersemi* Karsholt & Sumpich,2015, Zootaxa 4059 (3): 481. Holotype ♂: Suecia, Öl Tocknekärr, leg. O. Karsholt (ZMUC). Range (in code): MA SE DK TR 04 24 25 29 36 38 65 36F 36Fb 65A 65Am 65Am4 65D 65Df

Adults are autumnal and fly by nights. Common. Cf. Kemal & Koçak (2017e).

**462. *Nothris verbascella* ([Denis & Schiffermüller],1775)**

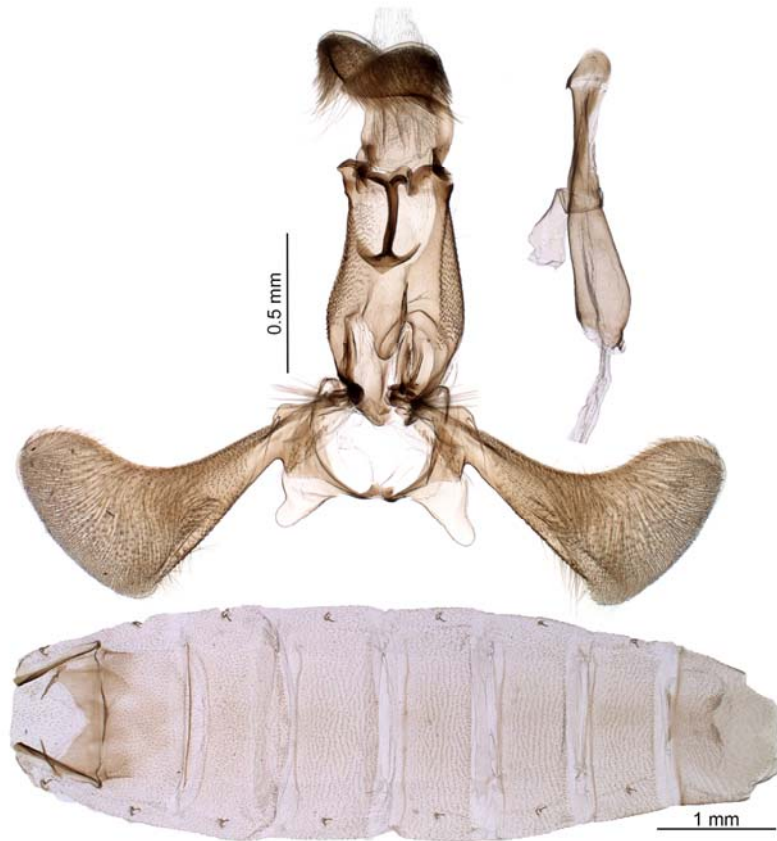
Synonym(s): *#verbascella* [Denis & Schiffermüller],1775 [without description, unavailable]; *verbascella* Brahm,1791; *lutarea* Haworth,1828; *discretella* Rebel,1889; *clarella* Amsel,1935 Range (in code): MA DZ Anna Lbs PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU HV TR BG MK GR Sms LB Bsa DK NO SE FI EE LV RU Cc Sb MD UA BY KG Uk IR Elb Dam Shh IQ Dy Hjo IL Pa 05 06 07 14 16 22 24 25 32 33 36 38 42 44 46 50 58 65 05A 06R 16A 25A 36F 36Fb 44L 44Lc 58G 58Gi 65A 65Am 65Am 65Am4 65D 65Df 65F 65Fp 65Fz 65N 65Np 65Np6 65Nm

Like the preceeding species. Cf. Kemal & Koçak (2017e).

**463. *Pexicopia malvella* (Hübner,[1805]) (Figs. 41, 42)**

Synonym(s): *umbrella* auct.; *malvella* Hübner,[1805]; *lutarea* Haworth,1828 Original Reference: *Tinea malvella* Hübner,[1805], Samml. eur. Schmett. 8: pl.41 fig.281. Type: Europa. Range (in code): DZ PT ES FR Sa Si IT GB BE NL LU DE Bw CH AT PL CZ SK HU RO YU BG GR TR Cc Da Der IL DK NO SE FI EE LV LT RU Ur Sb Mo MD UA BY IR GlS KG Uk 05 06 65 05A 06R 65A 65Am 65Am1 GP2600♂.

Adults fly by nights. Uncommon. The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 41, 42).



**Figs. 41, 42** - *Pexicopia malvella*. Male genitalia and abdominal skin. GP2600. Van Province, Bahçesaray, Upper Mukus valley 1780m (65Am1). M. Kemal (Cesa)

**464. *Recurvaria leucatella* (Linnaeus,1761)**

Synonym(s): *#leucatella* Clerck,1759; *leucatella* Linnaeus,1761; *leucatea* Haworth,1828. Original Reference: [*Phalaena*] *leucatella* Linnaeus,1761, Fauna Suecica: 369. [uninominal] Range (in code): ES FR Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR DK NO SE FI EE LV LT RU Ur Cc MD UA BY LB Bsa o6 16 65 16A 65A 65Ai 65At 65At5

Adults fly by nights. Uncommon. The present record is new to the fauna of Van Province.

**465. *Streyella anguinella* (Herrich-Schäffer,1861)**

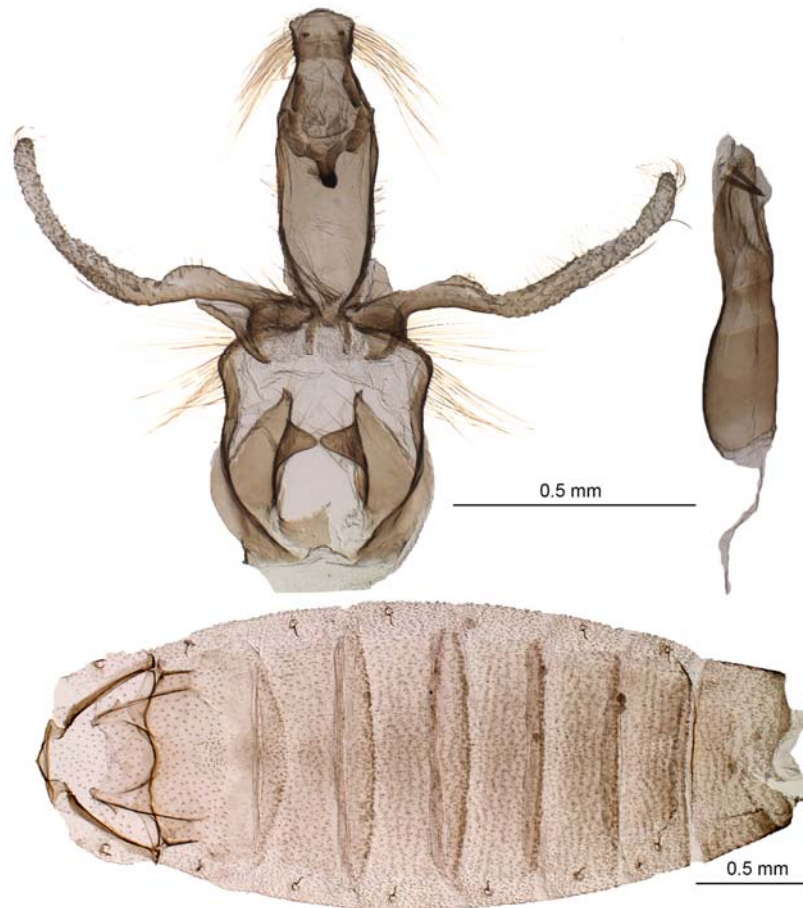
Synonym(s): *anguinella* Herrich-Schäffer,1861; *ostentella* Zerny,1934. Original Reference: *Gelechia anguinella* Herrich-Schäffer,1861, Neue Schmett. 3: 31, fig.159. Type(s): [Russia]: Sarepta. Range (in code): DZ ES HV SS GR TR LB IQ RU Sr Ur 13 46 56 65 70 13A 13Ab 13Ax 56F 56Fb 65A 65Ai 65D 65Df 65F 65Fp 65Fz 70C 70Cf

Adults fly by nights. Common.

**466. *Syncopacma coronillella* (Treitschke,1833) (Figs. 43, 44)**

Synonym(s): *coronillella* Treitschke, 1833; *fournieri* Nel,1998. Original Reference: *Lita coronillella* Treitschke,1833, Schmett. Eur. 9 (2): 87-88. Range (in code): ES FR Si IT LU DE CH AT PL CZ SK HU RO YU BG TR RU MD UA BY IR Gls o1 o5 65 o1K o5A 65A 65An Prep. no: GP2643♂

Adults fly by nights. Uncommon. The present record is new to the fauna of Van Province. Male genitalia and abdominal skin are illustrated below (Figs. 43, 44).



**Figs. 43, 44** - *Syncopacma coronillella*. Male genitalia and abdominal skin. GP2643. Van Province, Bahçesaray, Vasting 1660m (65An), M. Kemal (Cesa)

**467. *Syncopacma polychromella* (Rebel,1902)**

Synonym(s): *polychromella* Rebel,1902; *rebeliella* Caradja,1920; *argyrobiella* Caradja,1920 Original Reference: *Anacamptis polychromella* Rebel,1902, Dt. ent. Z., Iris 15: 109-110. Syntypes 3♂♀: [Israel]: "Haifa (Syrien)" (AMNH). Range (in code): Cn GB PT ES Si IT MT GB YU TR IR Mz LB IL Pa Hf CY JO KW YE IN RU Ur MN 12 13 33 44 46 56 65 12A 12Ab 13A 13Ab 13Ax 33R 44I 44Ic 46G 56F 56Fb 56Fm 65A 65Am 65Am1 65N 65Np2 65Nm

Adults fly by nights. Common.

***Gracillariidae***

**468. *Caloptilia alchimiella* (Scopoli,1763) (Figs. 45, 46)**

Synonym(s): *alchimiella* Scopoli,1763; *crucifera* Fourcroy,1785; *swederella* Thunberg,1788; *thunbergella* Fabricius,1794; *franckella* Hübner,1796; *thunbergii* Haworth,1828; *hilaripennella* Treitschke,1833; *sardiniella* Amsel,1936 Original Reference: *Phalaena alchimiella* Scopoli,1763, Entomologia Carniolica: 254. Type(s): "Carniolia". Range (in code): PT ES FR IT Sa IE GB BE NL LU DE CH AT PL CZ SK HU MK B-H SS YU HV RO TR DK NO SE FI EE LV LT RU MD UA BY Cc Ur IR GlS KG 13 16 56 65 13G 13Gb 16A 56F 65A 65Am 65Am4 Prep. no: GP2632♀

Adults fly by nights. Rare in the openings of *Quercus* woodlands. Recently, the species was reported by the authors from Anamur (İçel Province, S. Turkey) (Kemal & Koçak, 2017d). The present record is new to the fauna of Van Province. Female upperside and female genitalia are illustrated below (**Figs. 45, 46**).



**Figs. 45, 46** - *Caloptilia alchimiella*. Upperside of female (above). Female genitalia (GP2632♀) (bottom). Van Province, Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

**469. *Caloptilia stigmatella* (Fabricius, 1781)**

**(Figs. 47- 49)**

Synonym(s): *stigmatella* Fabricius, 1781; *cruciella* Goeze, 1783; *equestris* Fourcroy, 1783; *upupaepennella* Hübner, 1796; *triangulella* Panzer, 1799; *purpurea* Haworth, 1828; *ochracea* Haworth, 1828; *triangulosella* Costa, [1836]; *purpuriella* Chambers, 1872; *consimilella* Frey, 1876 Original Reference: *Tinea stigmatella* Fabricius, 1781, Spec. Ins. 2: 295-296. Type: Range (in code): PT MA ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO MK TR Cc AZ AM GG DK NO SE FI EE LV LT RU Mo MD UA BY TM Kp Sb Ur Us MN TJ UZ KK KG CN JP CA BCo US Il n Knt Msc Vr Fl Mai Ny Oh Pns SCa Tx IN 65 65A 65Am 65Am4 GP2638♂

Like the preceding species. This species is new to the fauna of Turkey (Prins, W. de & de Prins, J., 2005). Male upperside, male genitalia and abdominal skin are illustrated below (**Figs. 47- 49**).



**Figs. 47- 49** – *Caloptilia stigmatella*. Upperside of male (left). Male genitalia with scent organs, and the abdominal skin. GP2638 (right). Van Province, Bahçesaray, Upper Mukus valley 1840m (65Am4). M. Kemal (Cesa)



**Lecithoceridae****470. *Eurodachtha nigralba* Gozmany, 1978 (Fig. 50)**

Synonym(s): *nigralba* Gozmany, 1978 Original Reference: *Eurodachtha nigralba* Gozmany, 1978, Microlepid. Pal. 5: 159, figs. Holotype ♀: Syria, Latakia (NHMW); paratypes: Erciyas Mt., Dünen (Mersin), Amasya, Çiftehan. Range (in code): SY Ltk TR 05 33 38 51 56 65 05A 38C 38Ca 51D 51Da 56F 56Fs 65A 65Ai Prep. no: GP2067♂ GP2429♂

Like the preceding species. Uncommon. This record is new to the fauna of Van Province (Gozmany, 1978). Male genitalia is illustrated below (Fig. 50).



**Fig. 50** - *Eurodachtha nigralba*. Male genitalia. GP2429. Van Province, Bahçesaray Paşaköy 1600m (65Ai), M. Kemal (Cesa)

**Oecophoridae****471. *Anchinia cristalis* (Scopoli, 1763)**

Synonym(s): *cristalis* Scopoli, 1763; *verrucella* [Denis & Schiffermüller], 1775; *hepaticella* Hübner, 1796; *verrucea* Haworth, 1811; *cneorella* Hübner, [1813]. Original Reference: *Phalaena cristalis* Scopoli, 1763, Ent. Carn.: 241, nr. 611. Type: [Slovenia]: Carniolia. Range (in code): ES FR IT BE LU DE CH AT PL CZ SK HU SE EE LV LT RU Us MD UA BY JP TR 65 65A 65Ai 65Am1

This species is new to the fauna of Turkey. We used the Lvovsky's publication (1981) for the specific identity. However, the population of Bahçesaray is different from the nominate subspecies externally, i.e., colouration and markings of the wings. These features are constant in the series collected. Therefore, we propose here a new subspecies *mukusensis* **ssp. nov.**, representing *Anchinia cristalis* in East Turkey.

***Anchinia cristalis* ssp. *mukusensis* ssp. nov. (Figs. 51-57)**

<http://zoobank.org/urn:lsid:zoobank.org:act:79476108-0140-4E77-A2FC-BA237E398023>

Holotype ♂: Forewing 7mm, wingspan 14mm.

Paratype 2♂♂, 5♀♀: Forewing: 7-8mm, wingspan: 14-17mm.

Type-series: Holotype ♂. East Turkey, Van Province, Bahçesaray, Paşaköy 1620m (65Ai), 25 6 2016, M. Kemal & A. Koçak leg. GP2572. Paratypes 2♂♂, 4♀♀ from the same place with holotype, but from 25 6 to 4 7 2016, 1♀ Bahçesaray, Upper Mukus valley 1780m (65Am1) 6 7 2016, M. Kemal & A. Koçak leg. Prep. no: GP2572♂ (Holotype); GP2571♀, GP2573♀ (Paratypes). Holotype and all paratypes are deposited in the coll. Cesa.

Diagnosis: Similar to nominate *cristalis* (Scopoli) in Europe, but easily distinguishable by fully grey coloured upperside of the wings. On forewing upperside only one median transversal line is well-developed and composed of dark grey, perpendicularly, but irregularly arranged scales.

Outer part of media dark stria more or less bordered by creamy scales. Discal stria absent or hardly visible (**Fig. 51, 54**). Ciliae grey. Head and thorax upperside grizzle, somewhat mixed with brownish scales (**Fig. 52**). Female, male genitalia and abdominal skin are illustrated below (**Figs. 53, 56-57**).

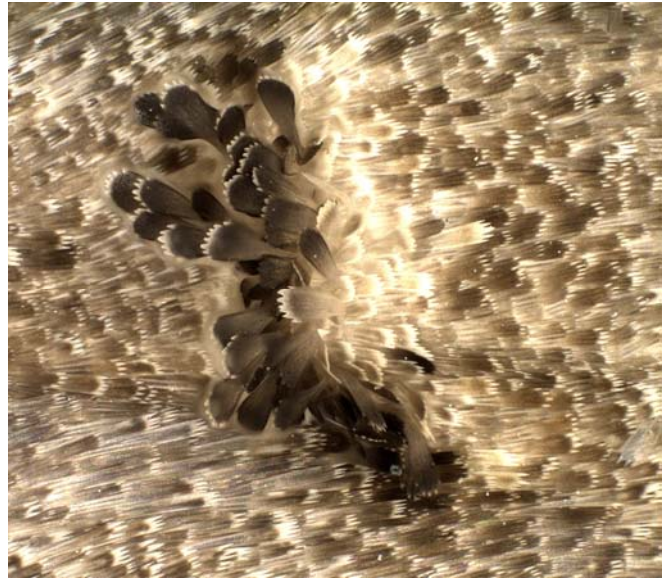


**Figs. 51** - Upperside of forewing of *Anchinia cristalis* ssp. *mukusensis* (Paratype ♀), with enlarged scales of median blackish stria. Van Province, Bahçesaray, Paşaköy 1620m M. Kemal (Cesa)

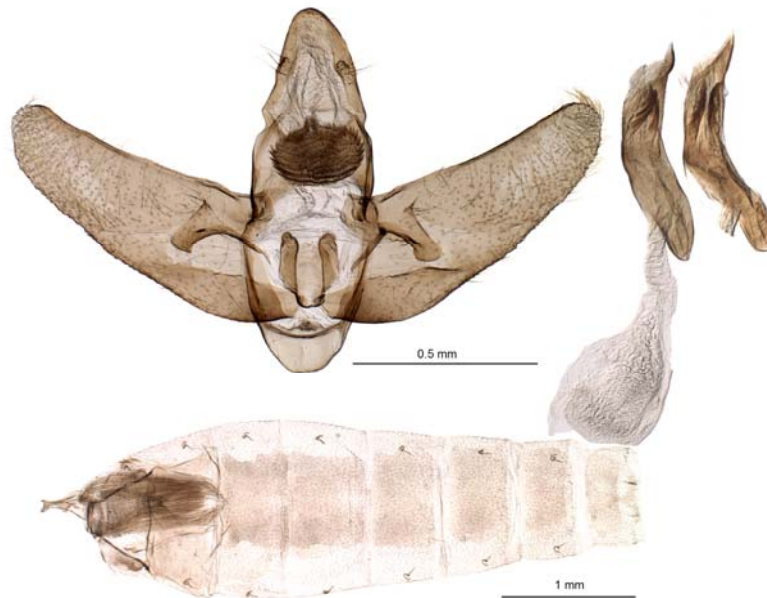


**Figs. 52, 53** – Dorso-lateral view of the head of *Anchinia cristalis* ssp. *mukusensis* (Paratype ♀), and the female genitalia. GP2573. Van Province, Bahçesaray, Paşaköy 1620m M. Kemal (Cesa)





**Figs. 54, 55** – Upperside of right wings of holotype (♂) of *Anchinia cristalis* ssp. *mukusensis* (left), enlarged scales of median blackish stria (right). Van Province, Bahçesaray, Paşaköy 1620m M. Kemal (Cesa)



**Figs. 56, 57** - *Anchinia cristalis* ssp. *mukusensis* (Holotype ♂). Male genitalia, with two different positions of aedeagus, and abdominal skin. GP2572. Van Province, Bahçesaray, Paşaköy 1620m M. Kemal (Cesa)

**472. *Depressaria eryngiella* Millière, 1881 (Figs. 58 -60)**

Synonym(s): *eryngiella* Millière, 1881; *campestrella* Chrétien, 1896; *deliciosella* Turati, 1924; *obolucha* Meyrick, 1936 Original Reference: *Depressaria eryngiella* Millière, 1881, *Lépidopterologie* 7: 7-8, pl. viii figs. 8-9. Range (in code): ES FR Py IR Ss Fa IQ Hjo UA Cm TM Kp UZ KG TR 25 42 44 50 65 65A 65Am 65Am4 Prep. no: GP2453♂

Uncommon, nocturnal. This species was previously reported from Erzurum, Malatya, Nevşehir and Konya (Buchner, 2017). The present record is new to the fauna of Van Province. Male upperside, male genitalia and abdominal skin are illustrated below (**Figs. 58-60**).



**Figs. 58-60** - *Depressaria eryngiella*. Upperside of male GP2453 (right). Its male genitalia and abdominal skin (left). Bahçesaray, Upper Mukus Valley 1840m (65Am4), M. Kemal (Cesa)

**473. *Epicallima (Neocallima) einsleri* (Amsel, 1935)**

Synonym(s): *einsleri* Amsel, 1935 Original Reference: *Borkhausenia einsleri* Amsel, 1935, Mitt. zool. Mus. Berlin 20 (2): 296, Taf.10 fig.43. Syntypes: [Israel]: "Bahnhof Jerusalem". Range (in code): IL Pa Js TR 56 65 56F 56Fb 65A 65Ai Prep. no.: GP2630♀ GP2637♂.

This species was described by Amsel from Israel, with the name combination "*Borkhausenia einsleri*". Lvovsky, *et al.* (2016) reported this species from Israel only, with the hope of endemism to the Levant. The authors collected a single specimen from Şirvan (Siirt Province) in 2013, and a pair from Bahçesaray (Van Province) in 2016. According to the present knowledge, the species is known from Israel and South East Turkey, from sea level to 1600m in the mountains.

As to the generic classification of the species *einsleri* Amsel, Lvovsky, *et al.* (2016) placed this species in the genus *Epicallima* Dyar, 1903 (type-species: *Callima argenticinctella* Clemens, 1860). In his re-description of the type-species of *Epicallima*, Clarke (1941: 256) stated:

"*Male genitalia*. – Harpe elongate, slender; cucullus bluntly pointed; saccus broad with a terminal curved projection extending beyond cucullus. Anellus a more or less rectangular sclerotized plate with widely separated lateral processes; the processes twice the length of the central plate. Aedeagus stout, slightly narrower at the middle than at the extremities; distal end terminating in a sharp, thornlike point; vesica armed with one long straight cornutus. Gnathos drawn out into a blunt point medially. *Female genitalia*. – Genital plate broad, moderately sclerotized. Ostium large, oval. Ductus bursae strongly sclerotized in posterior half and armed with 12-18 strong teeth inwardly. Signum a small, strongly sclerotized toothed plate."

Clarke included two species, *argenticinctella* and *formosella* to *Epicallima*, both of them looks like very much to each other externally.

"*Borkhausenia einsleri*" combination, originally proposed by Amsel, is unacceptable today. Lvovsky's proposal is based upon the following criteria – seems not so strong: "*its large labial palpi and long aedeagus in males and its ductus bursae with sclerotization in female*".

Taking also the external features of *einsleri* into consideration, *einsleri* and *argenticinctella*, the type-species of *Epicallima*, we propose here a distinct, new subgenus in the following way:

***Neocallima* subgen. nov. (Figs. 61-67)**

<http://zoobank.org/urn:lsid:zoobank.org:act:56B7A592-0CFA-41F1-AF6F-C02551356E74>

Type-species: *Borkhausenia einsleri* Amsel, 1935, here designated.

**Diagnosis:** The male genitalia in *einsleri* is completely different in shape from that of *argenticinctella*, i.e., *valva*, *saccus*, *uncus*, *gnathos*, *aedeagus* and *anellus*. In the female genitalia, there is no teeth inside of *ductus bursae*; upper half of *bursa copulatrix* and *ductus bursae* heavily sclerotized (**Fig. 63**). Sexual dimorphism not remarkable. Female slightly larger than male (**Fig. 61**). Body and wing colouration of both sexes dark brown. Forewing with three triangular creamy-yellowish markings, basal one largest, while subapical and subtornal ones rather similar in size and

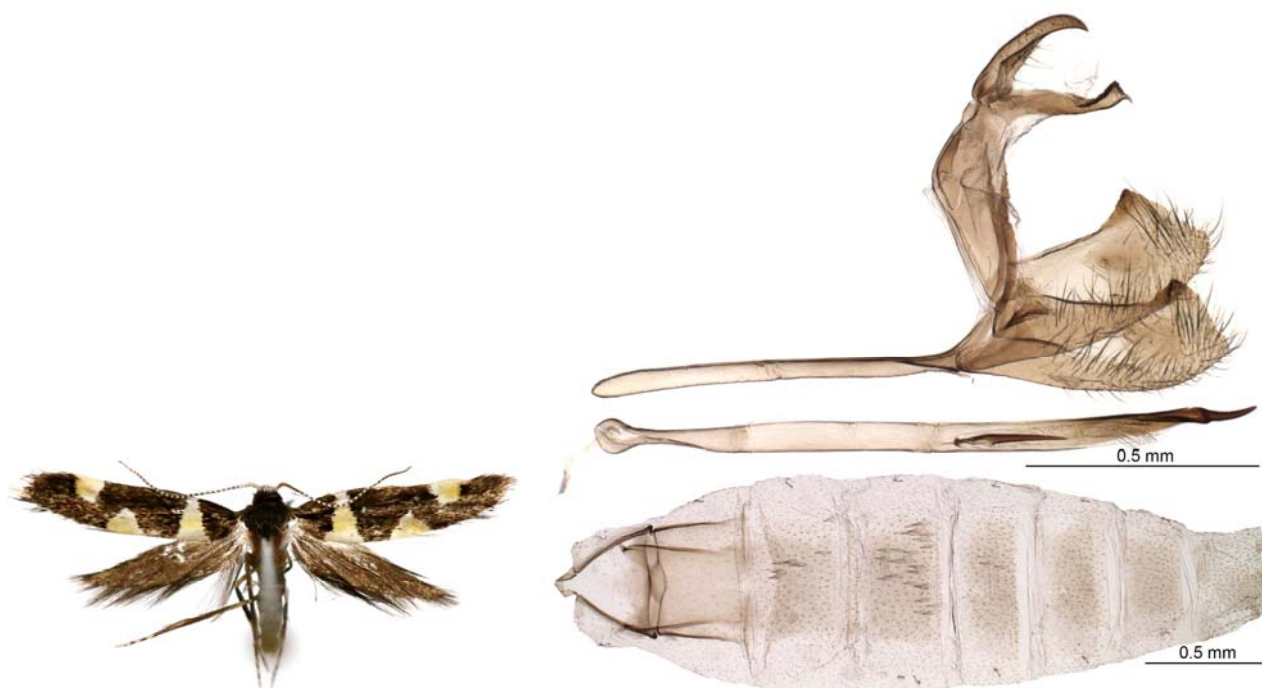


shape to each other. Top of head with well-developed white scales (**Fig.62**). Antenna white and black, apparently chequered (**Figs. 61, 65**).

The genus *Epicallima* Dyar is still represented in Europe, by the following species: *formosella* Denis & Schiff., *bruandella* Rag., *icterinella* Mnn., and *mercedella* Stgr. However, *einsleri* Ams. differs, among them, at a remarkable level at first sight. Even the genitalic structures support this view. Male and female uppersides, female head, male and female genitalia and their abdominal skins are illustrated below (**Figs. 61-67**).



**Figs. 61-64** - *Epicallima* (*Neocallima*) *einsleri*. Upperside of female, head and labial palpi (above), female genitalia and abdominal skin, GP2630♀ (below). Bahçesaray, Paşaköy 1600m, 25 6 2016, M. Kemal (Cesa)



**Figs. 65-67** - *Epicallima (Neocallima) einsleri*. Upperside of male (left), male genitalia and abdominal skin, GP2637♂ (right). Bahçesaray, Paşaköy 1600m, 25 6 2016, M. Kemal (Cesa)

**474. *Pleurota (s.str.) eximia* Lederer, 1861**

Synonym(s): *eximia* Lederer, 1861; *galaticella* Staudinger, 1880 Original Reference: *Pleurota eximia* Lederer, 1861, Wien. ent. Monatschr. 5: 154, Taf. 2 fig. 5. Type(s): [Türkei]: Mersin. Range (in code): Cc TR ES 05 06 33 42 51 65 70 76 51B 65A 65Ai 65Ac3 70C 70Ce Prep. no: GP2427♂

Uncommon, nocturnal in the summer. The present record is new to the fauna of Van Province.

**475. *Pleurota (s.str.) metricella* (Zeller, 1847)**

Synonym(s): *metricella* Zeller, 1847 Original Reference: *Anchinia metricella* Zeller, 1847, Isis 1847: 34, 822. Original Reference: Lectotype ♂: [Griechenland]: Rhodos, designated by Back, 1973: 205. Range (in code): FR IT? RO BG GR Rd TR Cc IR Elb Kdv Dam Mz Gor Srd Shh IL Pa Jt JO 05 06 17 38 42 46 50 65 71 76 05A 06R 38C 38C 38H 38Hc 50D 65A 65At 65At5 65N 65Nc4 65Np2 65Nm Prep. no: GP2443♂

Uncommon, nocturnal or diurnal in the spring.

**476. *Pleurota (s.str.) uygar* Kemal & Koçak, 2017**

Synonym(s): *uygar* Kemal & Koçak, 2017 Original Reference: *Pleurota (s.str.) uygar* Kemal & Koçak, 2017, Misc. Pap. 165: 2-3, 3 figs. Holotype ♂: East Turkey, Van Province, Bahçesaray, Upper Mukus valley 1850m (65Am3) 24 6 2016 (coll. Cesa). Range (in code): TR 65 65A 65Am 65Am3 65D 65Dg 65N 65Np2 65Nm Prep. no: GP2049♂ GP2081♂ GP2610♂

Uncommon, nocturnal and diurnal in the spring.

This species is near to *Pleurota pungitiella* and *metricella*, but differs from it especially by its very large and dentate *labis* (Kemal & Koçak, 2017f).

**477. *Pleurota (s.str.)* sp.**

Temporarily an unidentified species from Bahçesaray. Prep. no: GP2559♂.

The species belongs to *bicostella*-group. It has been compared by using the external and male genitalic features with the species in this group, i.e., *finitimella*, *transcaucasica*, *elegans* and *irakella*. More information and its precise identification will be published in a separate work.

**Pterophoridae****478. *Amblyptilia acanthadactyla* (Hübner,[1813]) (Fig. 68)**

Synonym(s): *acanthadactyla* Hübner,[1813]; *odontodactyla* Charpentier,1821; *calaminthae* Frey,1886; *tetralicella* Hofmann,1895; *phoenicodactyla* Chrétien,1915 Range (in code): MA DZ TN Gf PT ES FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO BG GR Cr DK NO SE EE LV LT RU MD UA BY TR CY IR Cc GG Sok Abk 16 48 65 65A 65Ai Prep. no.: GP2568♀

The present record is new to the fauna of Van Province. Female genitalia is illustrated below (Fig. 68).

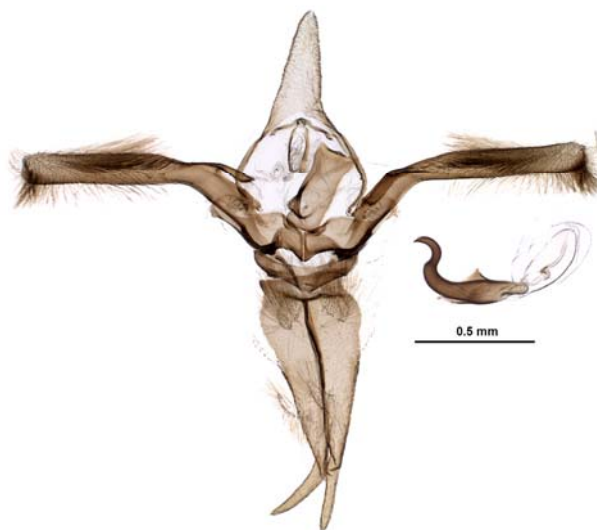


**Fig. 68** - *Amblyptilia acanthadactyla*. Female genitalia. GP2568. Van Province, Bahçesaray, Paşaköy 1600m (65Ai), 4 8 2016. M. Kemal (Cesa)

**479. *Capperia salanga* Arenberger,1995 (Fig. 69)**

Synonym(s): *salanga* Arenberger,1995 Original Reference: *Capperia salanga* Arenberger,1995, Z. ArbGem. öst. Ent. 47: 55-57, figs. Holotype ♀: Afghanistan, Prov. Kadaghan, Salang Pass, Nordseite 13 6 1971, leg. C.Holzschuh (coll. Arenberger). Range (in code): TR AF Slg Srb Kbb Pnj Pag Kab Pli IR Elb Kdj Th UZ TM Kp K-K TJ 58 65 58G 65A 65Ab 65Aba Prep. no.: GP2567♂

In the male genitalia, basal extension of the valva spreads towards costa. The present record is new to the fauna of Van Province. Male genitalia is illustrated below (Fig. 69).

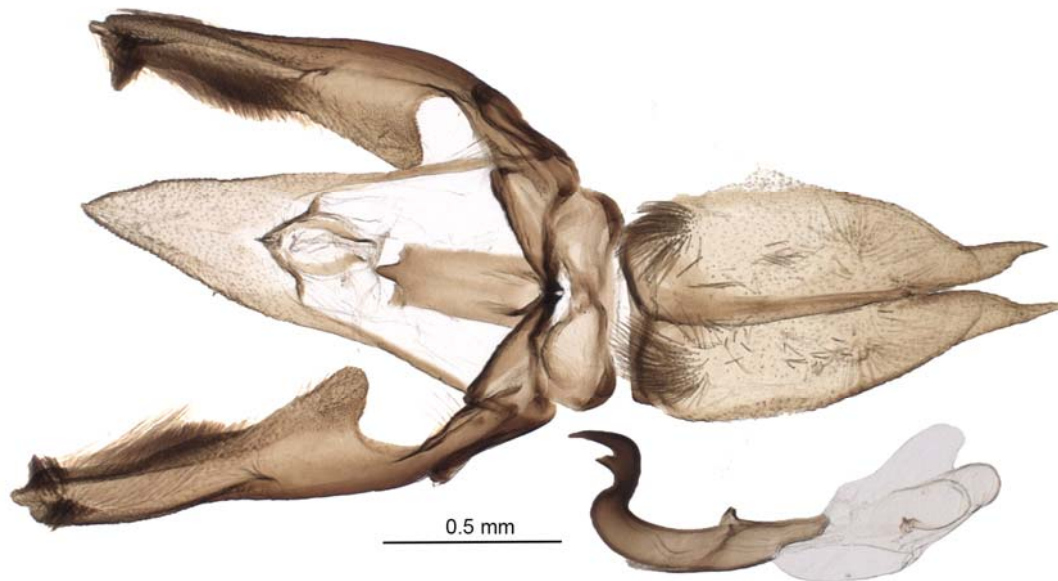


**Fig. 69** - *Capperia salanga*. Male genitalia. GP2567. Van Province, Bahçesaray, Krapet Pass 2820m (65Aba), 6 8 2016. M. Kemal (Cesa)



**480. *Capperia* sp. (Fig. 70)**

After taking the key of male genitalia (Arenberger, 2002: 81-82) this species is nearer to *washbourni* Adam. than *celeusi* Fr., but differs from them by the presence of a terminal lobe of valva, unarmed rectangle anellus with strongly developed terminal spine, etc. Prep. no: GP2556♂



**Fig. 70** - *Capperia* sp. Male genitalia. GP2556. Van Province, Bahçesaray, Paşaköy 1600m (65Ai). M. Kemal (Cesa)

**481. *Crombrugghia distans* (Zeller, 1847) (Fig. 71)**

Synonym(s): *distans* Zeller, 1847; *distantidactyla* Bruand, 1858; *geodactylus* Fuchs, 1903; *lactucae* Fletcher, 1920; *clarisignis* Myerick, 1924; *buvati* Bigot & Picard, 1988; *pravieli* Bigot & Picard, 1989; *gibeauxi* Bigot et al., 1990; *supplementum* Gibeaux, 1997. Original Reference: *Pterophorus distans* Zeller, 1847, Isis 1847: 902-903. Lectotype ♂: Syracuse, designated by Hannemann (1975, Dt. ent. Z. n. f. 22: 186) (BMNH).

Range (in code): Cn MA Azr Ouk Ifr DZ Lbs Hsb TN PT ES Grn FR Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO SS HV YU B-H MK AL BG GR TR DK NO SE FI RU Sb MD UA Cm GG Tbl AM Eri AZ IR Elb Kdj Th Mz Kz Gor Yas Nss BY AF Pag Kab Pli Sfk Kot Bkt Nu Hr PK Swa Mdy Ch KG UZ Smk TM Kp K-K CN Ui IN Up Hp NP SI BT Cm VI Ur At Ir Irk Bry Ik Smk Ass Khs N-A Swa Kma Snm Djl Cc KK KuA 01 05 06 07 16 22 23 30 33 34 42 44 45 46 48 50 58 61 63 65 76 01G 05A 06R 07A 07B 16A 23D 30B 30D 33O 33P 33Pa 36F 42B 46G 50G 50Gc 63B 65A 65Am 65Am4 76A 76Ac Prep. no: GP2124♂ GP2548♂

The present record is new to the fauna of Van Province.



**Fig. 71** - *Crombrugghia distans*. GP 2548. Male genitalia. Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)



**482. *Gillmeria pallidactyla* (Haworth,[1811]) (Fig. 72)**

Synonym(s): *pallidactyla* Haworth,[1811]; *marginidactylus* Fitch,1854; *nebulaedactylus* Fitch,1854; *bertrami* Rössler,1864; *bischoffi* Zeller,1867; *cervinidactylus* Packard,1873; *adustus* Walsingham,1880; *chapmani* Tutt,1896; *sachalinensis* Matsumura,1931. Original Reference: *Alucita pallidactyla* Haworth,[1811], Lepid. Br.: 478. Type: Britain. Range (in code): FR IT IE GB BE NL LU DE CH AT PL CZ SK HU BG GR DK NO SE FI EE LV LT RU MD UA BY CN TR IR Ak Ma Ha US BR 65 76 65A 65Am 65Am4 76A 76Ac Prep. no: GP2109♂ GP2110♂ GP2139♂ GP2469♂

The present record is new to the fauna of Van Province (Bahçesaray) (65A), and Iğdır Province (Aralık DÜÇ, 830m, GP2109♂ GP2110♂ GP2139♂ (76Ac)).



**Fig. 72** – *Gillmeria pallidactyla*. Male genitalia GP2469. Bahçesaray, Upper Mukus Valley 1840m (65Am4), 3 6 2016, M. Kemal (Cesa)

**483. *Merrifieldia tridactyla* (Linnaeus,1758) (Fig. 73)**

Synonym(s): *tridactyla* Linnaeus,1758; *tetradactyla* Linnaeus,1758; *niveidactylus* Stephens,1829; *fuscolimbatus* Duponchel,1844; *icterodactyla* Mann,1855; *flavella* Chrétien,1923; *menthae* Chrétien,1925; *exilidactyla* Buszko,1975; *neli* Bigot & Picard,1989 Original Reference: *Phalaena tridactyla* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 542. Lectotype ♂: Europa, designated by Robinson & Schmidt-Nielsen (1983) (coll. Linn. Soc., London). Range (in code): MA Ifr DZ PT ES Mu FR Sa IT Co IE GB BE NL LU DE CH AT PL CZ SK HU YU HV MK BG GR TR DK SE FI EE LV LT RU At Kb Teh Cc Sb MD UA BY IR Mak Ab Kd Sqg Avd Ha KG Uk AF 38 42 58 65 69 58G 65A 65Am 65Am4 65N 65Np 65Nm Prep no: GP2057♂ GP2544♂

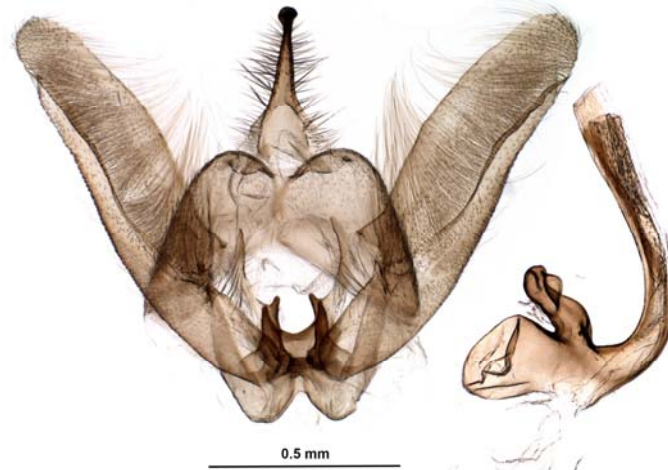


**Fig. 73** - *Merrifieldia tridactyla*. GP 2544. Male genitalia. Bahçesaray, Upper Mukus valley 1840m(65Am4), M. Kemal (Cesa)

**484. *Platyptilia gonodactyla* ([Denis & Schiffermüller],1775) (Fig. 74)**

Synonym(s): *gonodactyla* [Denis & Schiffermüller],1775; *megalodactyla* [Denis & Schiffermüller],1775; *diptera* Sulzer,1776; *trigonodactyla* Haworth,1811; *farfara* Gregson,1885; *albidior* Caradja,1920 Original Reference: *Alucita gonodactyla* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 320. Type(s): [Austria]: Vienna district. Range (in code): ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU MD UA BY KG Uk CN Ui Mc MN PK IN 04 16 42 65 71 75 16A 42B 65A 65Ai 65Am 65Am4 75F 75Fd Prep. no: GP2097♂ GP2550♂ GP2554♂

The present record is new to the fauna of Van Province, as well as Ardahan Province (Posof), with the geographic code "75Fd" (see range codes above). Genitalic prep no of Posof material is "GP2097".

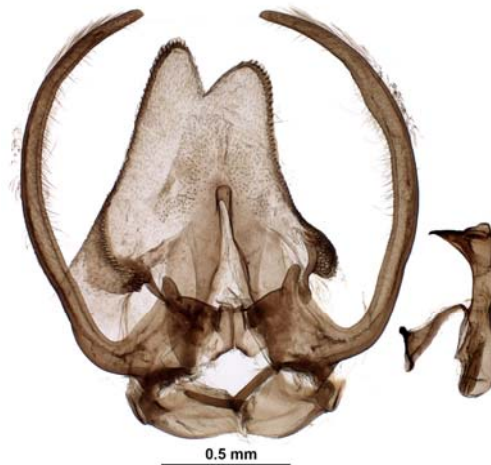


**Fig. 74** - *Platyptilia gonodactyla*. GP 2550. Male genitalia. Bahçesaray, Paşaköy 1600m (65Ai), M. Kemal (Cesa)

**485. *Stangeia siceliota* (Zeller,1847) (Fig. 75)**

Synonym(s): *siceliota* Zeller,1847; *ononidis* Zeller,1852; *ononydactyla* Bruand,1858; *siceliotidactyla* Bruand,1858. Original Reference: *Pterophorus siceliota* Zeller,1847, Isis 1847 (12): 907. Lectotype ♀: Italia, Sicilia, Syracus (BMNH). Range (in code): MA Ouk Rf DZ Ski Hes Bsk Ktr TN Cn PT ES An Grn Mu FR Co Sa Si IT YU MK HV BG GR Cr CY TR Arr Cc AM Eri SY Dms LB Bei Bsa Bmm JO Zq Amm IL Js Jt Pa AF Srb IR IQ Bgd SA As OM YE CN Hun 07 09 16 23 31 34 36 38 41 44 50 58 65 76 07B 09K 16A 31M 34Q 34Qa 41A 44L 50G 50Gd 58G 65A 65Am 65Am1 Prep. no: GP2549♂

The present record is new to the fauna of Van Province.

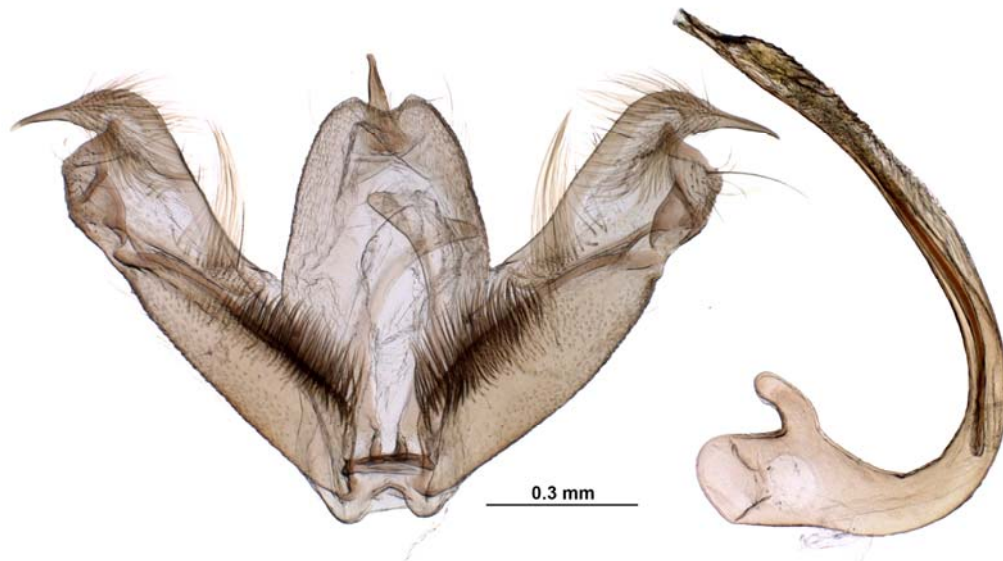


**Fig. 75** - *Stangeia siceliota*. GP 2549. Male genitalia. Bahçesaray, Upper Mukus valley 1780m (65Am1), M. Kemal (Cesa)

**486. *Stenoptilia mannii* (Zeller,1852) (Fig. 76)**

Synonym(s): *mannii* Zeller,1852; *lucasi* Arenberger,1990 Original Reference: *Pterophorus mannii* Zeller,1852, Linn. Ent. 6: 375-376. Type ♂: [Turkey]: "Brussa in Kleinasien". Range (in

code): MA FR MK BG GR TR RU IR Ab Mmş Ar Elb Th Cc GG AM Eri UA Cm CN Ui Ku LB IQ UZ KK 03 05 06 16 24 25  
30 42 46 50 60 65 05A 06R 16A 25R 25Rb 65A 65Am 65Am4 65D 65Dp 65Di 65F 65Fz 65Fw Prep. no: GP2552♂  
The identity and the synonymy is after Bigot et al. (2008).



**Fig. 76** – *Stenoptilia mannii*. GP 2552. Male genitalia. Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

**487. *Stenoptilia parnasia* Arenberger, 1986 (Fig. 77)**

Synonym(s): *parnasia* Arenberger, 1986 Original Reference: *Stenoptilia parnasia* Arenberger, 1986, Z. ArbGem. Öst. Ent. 37 (3/4): 80, figs. 4, 5. Holotype ♂. Griechenland, Parnassos 1900m (coll. Arenberger). Range (in code): GR TR AM Cc IR Ke TM 65 65A 65Am 65Am1 Prep. no: GP2553♂.

The present record is new to the fauna of Van Province.



**Fig. 77** – *Stenoptilia parnasia*. GP 2553. Female genitalia. Bahçesaray, Upper Mukus valley 1780m (65Am1), M. Kemal (Cesa)

**488. *Wheeleria obsoleta* (Zeller, 1841) (Fig. 78)**

Synonym(s): *obsoleta* Zeller, 1841; *confusa* Herrich-Schäffer, 1855; *desertorum* Zeller, 1867; *gonoscia* Meyrick, 1922; *marrubii* Wasserthal, 1970. Range (in code): FR Sa Si IT AT CZ SK HU RO YU B-H HV MK BG GR TR Cc RU Or MD UA BY IL Jt Js Pa SY Hal Dms Ltk IR Fa Shr Ha Kdj Elb Th Dam Gor GlS Se Ar Es Ab Mak Km Hz Jrf Kh TM Kp CY JO Zq 05 06 07 14 16 29 31 36 38 42 44 46 47 50 51 55 58 65 71 76 05A 06R 06Y 16A 31M 42E 58G 65A 65Am 65Am4 65F 65Fp 65Fz 65N 65Np2 65Nm 76C Prep. no: GP2063♂ GP2116♂ GP2547♂





**Fig. 78** - *Wheeleria obsoleta*. GP 2547. Male genitalia. Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

**489. *Wheeleria phlomidis* (Staudinger,1871) (Fig. 79)**

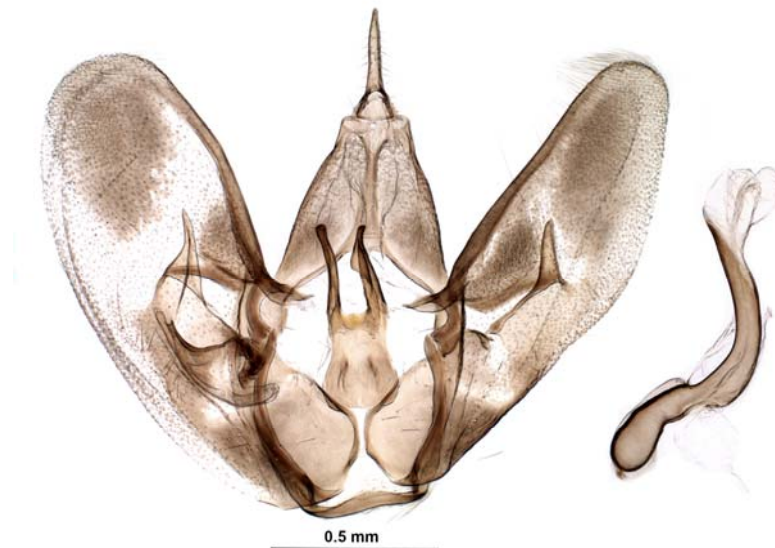
Synonym(s): *phlomidis* Staudinger,1871 Original Reference: *Aciptilus phlomidis* Staudinger,1871, Horae Soc. ent. ross. 7: 282, Taf.3 fig.19. Lectotype ♂: Russia, Sarepta [Krasnoarmeysk] (ZMHB), designated by Arenberger (1995). Range (in code): GR TR Cc IR Clu By Yas Skh Ab Oru Mak Km Kd Sqq Lo Kz Qz Hz Fa Elb Kdj Th Shr Ksh Bne Snj SY Hal Dms IL Jt Pa JO Amm Zq KG RU Ro Tgn Sr Uk 05 06 12 42 46 50 51 65 71 76 05A 06R 42B 65A 65Am 65Am1 65N 65Np4 65Nm 76C Prep. no: GP2053♂ GP2091♂ GP2098♂ GP2115♂ GP2545♂



**Fig. 79** - *Wheeleria phlomidis*. GP 2545. Male genitalia. Bahçesaray, Upper Mukus valley 1780m (65Am1), M. Kemal (Cesa)

**490. *Wheeleria sobeidae* (Arenberger,1981) (Fig. 80)**

Synonym(s): *sobeidae* Arenberger,1981 Original Reference: *Pterophorus sobeidae* Arenberger,1981, Z. ArbGem. öst. Ent. 32 (3/4): 103-105, figs.7,8. Holotype ♂: Iran, Elburs-Gebirge, südseite 20km. nördkl. Teheran leg.Holzschuh (coll.Arenberger). Range (in code): IR Elb Th By Es Lo Plr Kdj Skh Yas Ss Mz Dam AF Sfk Kot TR 25 29 65 65A 65Am 65Am4 65B 65Bk 65N 65Np1 65Nm Prep. no: GP2058♂ GP2551♂



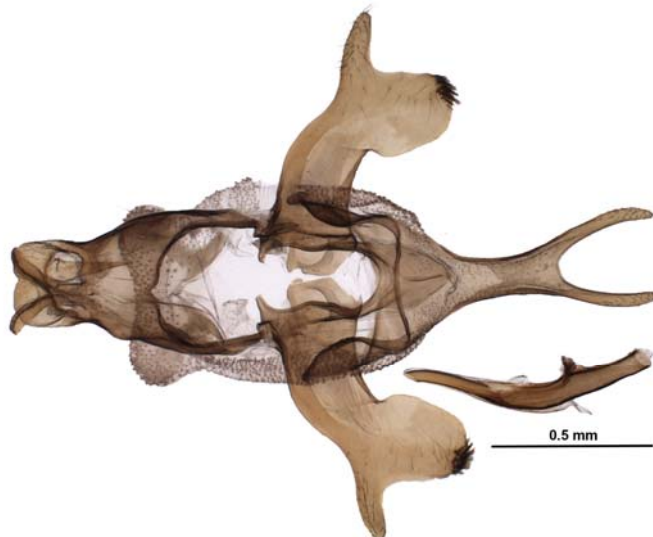
**Fig. 80** - *Wheeleria sobeidae*. GP 2551. Male genitalia. Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

## Scythridae

### 491. *Scythris (scopolella-gr.) apicalis* (Zeller,1847) (Fig. 81)

Synonym(s): *apicalis* Zeller,1847; *unipunctella* Rebel,1901; *#mediella* Caradja,1920 Original Reference: *Oecophora apicalis* Zeller,1847, Isis 1847 (1): 35-36. Syntypes: [Türkei]: Patara "Kellemisch"; Lectotype ♂ (BMNH). Range (in code): FR RO GR TR Cc AM Eri IQ Hjo Er IR LB CN Ui Ku 21 31 33 36 46 48 65 21L 21Ld 31M 36F 46L 65A 65Ai 65An Prep. no: GP2162♂ GP2445♂ GP2569♂

Adults diurnal or nocturnal, uncommon in the district. This species was previously recorded and illustrated by the authors from Gören Mount (Kemal & Koçak, 2014: 110, fig.133). Both records are new to the fauna of Van Province. The authors reported this species also from Diyarbakır (Hazro) (Kemal & Koçak, 2015).



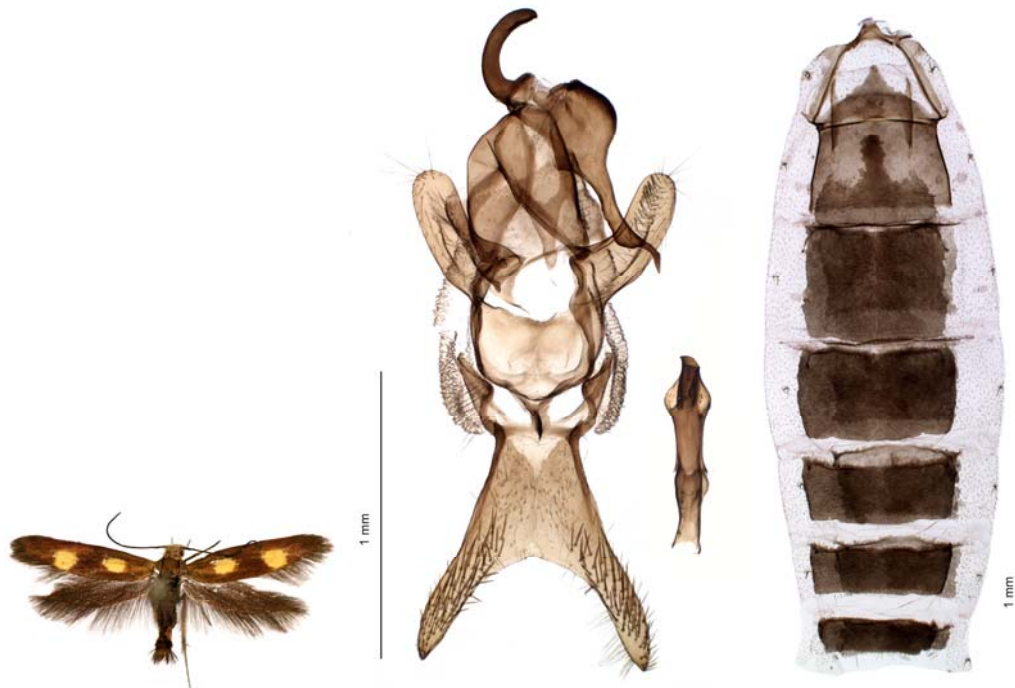
**Fig. 81** – *Scythris apicalis*. Male genitalia. GP2569. Van Province, Bahçesaray, Vasting 1660m (65An). M Kemal (Cesa)

### 492. *Scythris (scopolella-gr.) flabella* (Mann,1861) (Figs. 82-84)

Synonym(s): *flabella* Mann,1861; *aurella* Caradja,1920 Original Reference: *Butalis flabella* Mann,1861, Wien. ent. Monatschr. 5: 190-191, Taf.3 fig.11. Syntypes 3♂: [Türkei]: "Amasia". Range

(in code): MK BG TR RU GG IR Fa AM Eri Cc 05 06 13 31 38 42 46 65 76 05A 13A 13Ab 13Ax 31M 65A 65Ai 65Am 65Am1 65F 65Fd 65Fp 65Fz 65N 65Nb 76C Prep. no: GP2586♂

Adults diurnal or nocturnal, uncommon in the district. Upperside of male, male genitalia and abdominal skin are illustrated below (Figs. 82-84).



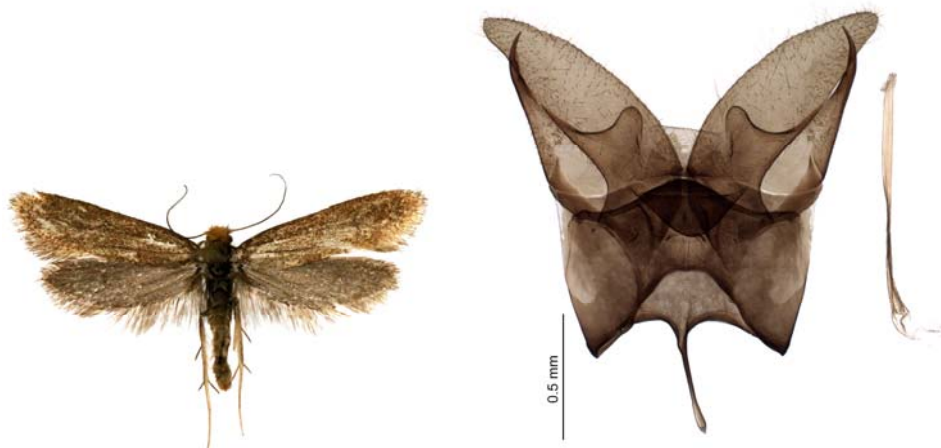
**Figs. 82 - 84-** *Scythris flabella*, GP2586. Upperside of male (left). Male genitalia and abdominal skin (right), Bahçesaray, M. Kemal (Cesa)

## Tineidae

### 493. *Ceratuncus affinitellus* (Rebel,1901) (Figs. 85, 86)

Synonym(s): *affinitellus* Rebel,1901; *#extinctella* Caradja,1920; *maraschensis* Rebel,1936; *irakella* Amsel,1949; *libanotica* Amsel,1951. Original Reference: Myrmecozela affinitella Rebel,1901, Dt. ent. Z., Iris 13: 184. Syntypes ♂♀: [Türkei]: "nördl. Mesopotamien (Mardin)" (ZMB). Range (in code): TR IQ Dy Hjo Qg LB SY Ltk IR Elb Th Dam UA Cm AM Cc 21 33 38 42 46 47 65 71 21L 21Lc 33H 65A 65An. Prep. no: GP552♂ GP2195♂ GP2636♂.

This species was described from Mardin. It is known from Central, East Turkey, and adjacent countries. Recently, the authors reported this species from Diyarbakır Province (Hazro) (Kemal & Koçak, 2015). The present record is new to the fauna of Van Province.



**Figs. 85, 86 -** *Ceratuncus affinitellus*. Upperside of male (left), and its genitalia (right). GP2636. Van Province, Bahçesaray, Vasting (65An) 1660m, 4 6 2016 M Kemal (Cesa)



**494. *Wegneria panchalcella* (Staudinger,1871) (Figs. 87, 88)**

Synonym(s): *panchalcella* Staudinger,1871 Original Reference: *Opogona panchalcella* Staudinger,1871, Berl. ent. Z. 14: 325. Syntypes: Russia, Sarepta. Range (in code): Cn Si HU RU Sr Da Der DZ Bsk TN Gf MK GR BG UA TR Cc AZ Len 65 76 65A 65Am 65Am4 65N 65Nc4 76C Prep. no: GP2395♂

The present record of this very small and golden-coloured species is new to the fauna of Van Province (Bahçesaray: Upper Mukus valley 1840m (65Am4), and Tuşba district: Toki Bardakçı 1720m).



**Figs. 87, 88** - *Wegneria panchalcella*, GP2395. Upperside of male (left). Male genitalia (right). Van Pr., Tuşba, Toki Bardakçı (65Nc4), M. Kemal (Cesa)

***Tortricidae*****495. *Acleris variegana* ([Denis & Schiffermüller],1775)**

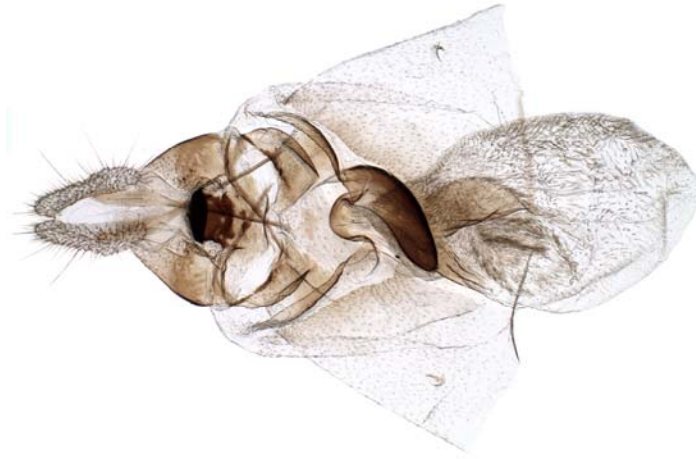
Synonym(s): *variegana* [Denis & Schiffermüller],1775; *asperana* Fabricius,1777; *osbeckiana* Thunberg,1784; *nyctemerana* Hübner,[1817]; *blandiana* Charpentier,1821; *blandana* Hübner,[1825]; *cirrana* Curtis,1835; *albana* Humpreys & Westwood,1845; *insignana* Herrich-Schäffer, 1851. Original Reference: *Tortrix variegana* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 130. Type(s): Vienna district. Range (in code): MA Rbt DZ Anna PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU B-H MK AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY Cm Da LB Bsa IL Pa Js IQ Shq SY Ltk Hal Cc AM GG IR Es Dam Gls Mz Elb Kdj Th Kh KG Aa TrA T-S TM UZ Br US Cf CA BCo Org AZ Len 05 06 09 15 16 31 32 35 42 44 46 61 65 05A 16A 31M 42B 65A 65An

The present record is new to the fauna of Van Province.

**496. *Aethes beatricella* (Walsingham,1898) (Fig. 89)**

Synonym(s): *beatricella* Walsingham,1898; *ferruginea* Walsingham,1900 Original Reference: *Lozopera beatricella* Walsingham,1898, Entomologist's mon. Mag. 34: 75, pl.2 fig.5. Type: Great Britain, Suffolk, Leiston (NHML). Range (in code): DZ ES FR GB NL AT CZ SK HU RO B-H DK SE IT Cm UA Voo RU Da Cc SY Hal TR 65 65A 65Am 65Am4 Prep. no: GP2409♀

The present record is new to the fauna of Van Province.

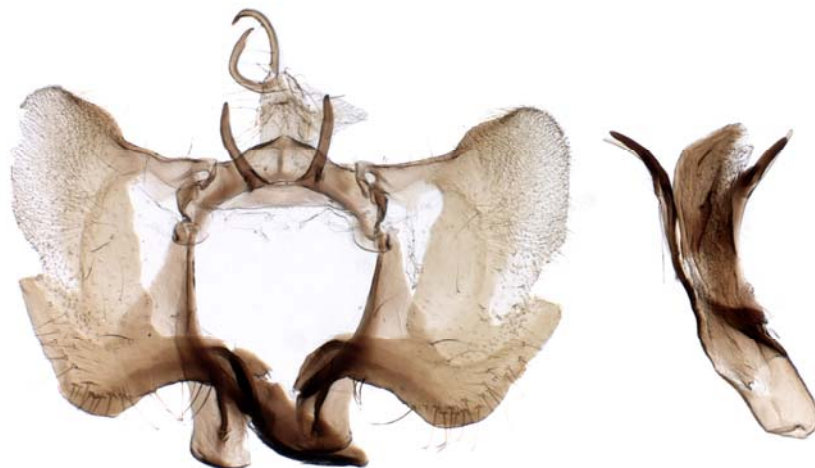


**Fig. 89** - *Aethes beatricella*. GP2409. Female genitalia. Bahçesaray, Upper Mukus valley 1840m (65Am4), M. Kemal (Cesa)

**497. *Aethes confinis* Razowski, 1974 (Fig. 90)**

Synonym(s): *confinis* Razowski, 1974 Original Reference: *Aethes confinis* Razowski, 1974, Polskie pismo Ent. 44: 733, fig.3. Holotype: Turkey, Konya Pr., Ivriz (ZSBS). Range (in code): TR UA Cm KG DsA Aa RU Sb BG 42 65 42X 42Xa 65A 65Ai Prep. no: GP2408♂

The present record is new to the fauna of Van Province.



**Fig. 90** - *Aethes confinis*. GP2408. Male genitalia. Bahçesaray, Paşaköy 1600m (65Ai), M. Kemal (Cesa)

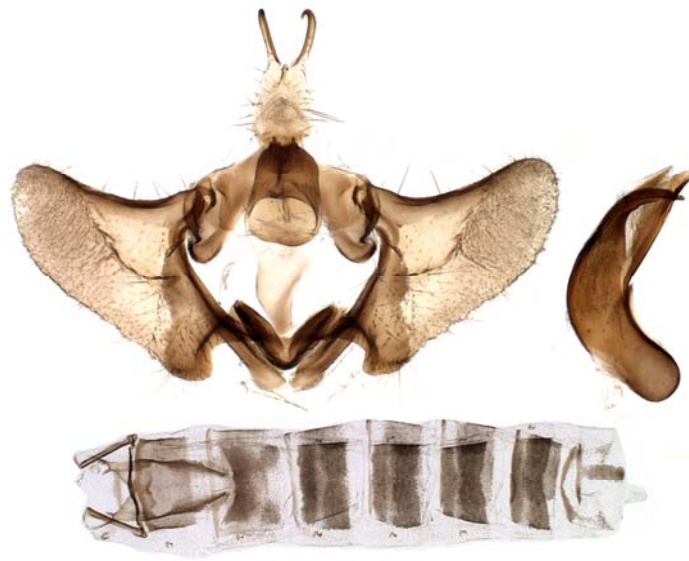
**498. *Aethes hartmanniana* (Clerck, 1759)**

Synonym(s): *?lyonetella* Linnaeus, 1758; *#hartmanniana* Clerck, 1759; *wiedemannella* Müller, 1764; *baumanniana* [Denis & Schiffermüller], 1775; *allioniana* De Villers, 1789; *avellana* Hübner, 1822; *subbaumanniana* Wilkinson, 1859; *murciana* Caradja, 1916; *excelsior* Schawerda, 1920. Original Reference: [*Phalaena*] *hartmanniana* Clerck, 1759, Icones Ins.: pl. 4 fig.10. Type: Sweden (material lost) [uninominal, nomenclaturally unavailable!] Range (in code): ES Mu FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc AM DK NO SE FI EE LV LT RU Ur MD UA BY SY Hal o1 o5 13 14 16 42 65 76 o1K o5A 13G 13Gs 13Gw 16A 42B 65A 65Ai 76C Prep. no: GP2362♂

The present record is new to the fauna of Van Province.

**499. *Aethes kasyi* Razowski, 1962 (Figs. 91, 92)**

Synonym(s): *kasyi* Razowski, 1962; *speciosa* Razowski, 1962 Original Reference: *Aethes kasyi* Razowski, 1962, Acta zool. cracov. 7: 400, figs. 22-24. Holotype ♂: Macedonia, Drenovo nr. Kavadar (NHMW). Range (in code): IT MK TR IR Fa Elb Th Kdj Gor Kd Snj Ha Es JO Amm SK Cm SY AF o6 13 46 47 65 o6R 13A 13Ab 13Ax 46G 46L 65A 65Am 65Am1 65D 65Df 65N 65Np 65Nm Prep. no: GP628♂ GP2283♂ GP2310♂ GP2311♂ GP2364♂ GP2410♂



**Figs. 91, 92** – *Aethes kasyi*, GP2364. Male genitalia and abdominal skin. Bahçesaray, Upper Mukus valley 1780m (65Am1), 12 6 2016, M. Kemal (Cesa)

**500. *Aethes tesserana* ([Denis & Schiffermüller],1775)**

Synonym(s): *tesserana* [Denis & Schiffermüller],1775; *aleella* Sulzer,1776; *heiserana* Fabricius,1787; *groendaliana* Thunberg,1791. Original Reference: *Tortrix tesserana* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 126. Type(s): Vienna district. Range (in code): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU HV MK AL BG GR TR SY Hal LB DK SE FI EE LV LT RU Tt Pr IR Elb 05 06 16 36 40 60 65 05A 06F 16A 36D 36Db 60C 65A 65Am 65Am3 65At 65At5 65D 65Dd 65Dda 65Dl 65Dn 65F 65Fd 65Fp 65Fz 65N 65Np2 65Np5 65Nm Prep. no: GP636♂

**501. *Agapeta hamana* (Linnaeus,1758)**

Synonym(s): *hamana* Linnaeus,1758; *trigonana* [Denis & Schiffermüller],1775; *citrinella* Fourcroy,1785; *cruciana* Fabricius,1787; *diversana* Hübner,1793 Original Reference: *Phalaena (Tortrix) hamana* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 530. Type(s): Sweden. Range (in code): PT ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR IR Kh Plr Dam Elb Gor Lo Zj Kd DK NO SE FI EE LV LT RU Cc MD UA BY AF KK Ik MN CN Ui Ku IN 05 06 13 14 16 42 50 65 75 05A 06F 06R 06Rd 13A 13Aa 16A 42B 65A 65An 75F 75Fd Prep. no: GP634♂ GP2330♂

The present record is new to the fauna of Van Province.

**502. *Aleimma loeflingianum* (Linnaeus,1758)**

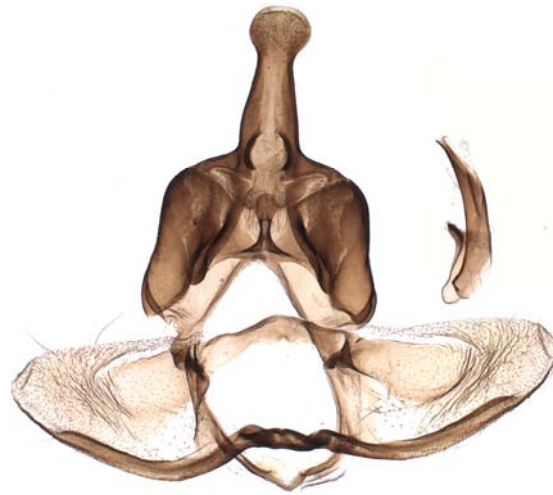
Synonym(s): *loeflingiana* Linnaeus,1758; *mixtana* Fabricius,1794; *plumbana* Hübner,[1799]; *ectypa* Hübner,[1800]; *plumbeolana* Haworth,1811 Original Reference: *Phalaena (Tortrix) loeflingiana* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 531. Type(s): Europa. Range (in code): PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU B-H MK AL BG GR TR GG Tbl SY Dms Hal DK NO SE FI EE LV LT RU MD UA BY Cm Da Cc IR By Kd Snj Sq 05 06 16 17 22 32 42 44 46 49 56 65 71 81 05A 16A 44L 44Lc 49E 49Ea 56F 56Fb 56Ff 65A 65An 65D 65Dlc 65Dt 65F 65Fr

**503. *Aphelia (Zelotherses) christophi* Obratzsov,1955 (Figs. 93, 94)**

Synonym(s): *verbascana* Christoph,1877 (homonym); *christophi* Obratzsov,1955 Original Reference: *Aphelia (Zelotherses) christophi* Obratzsov,1955, Tijdschr. Ent. 98: 211 (nom. nov. for *Tortrix verbascana* Christoph). Neotype ♂, designated by Obratzsov (1968): Iran, Schahrud (ZMB). Range (in code): TR IR Elb Srd Ha Avd Ar Th Nss Kdj By 65 65A 65Ab 65Aba Prep. no: GP2369♂

The present record is new to the fauna of Turkey and Van Province. The subspecific status of this record needs investigation.





**Figs. 93, 94** - *Aphelia (Zelotherses) christophi*. GP2369. Upperside of male (left). Male genitalia (right). Bahçesaray Krapet pass 2820m (65Aba), 6 8 2016, M. Kemal (Cesa)

**504. *Aphelia (Zelotherses) ferugana* (Hübner, 1793)**

Synonym(s): *ferugana* Hübner, 1793; *ochreana* Hübner, [1799]; *shaqlawana* Amsel, 1955; *chretieni* Obratzov, 1957; *#shaqlavana* Razowski, 1981 Original Reference: [*Tortrix*] *ferugana* Hübner, 1793, Samml. ausserl. Vögel Schmett.: 10, pl. 51. Range (in code): FR Sa Si IT DE CH AT CZ SK HU RO YU AL BG GR TR IQ Shq SY Hal Cc AM Eri GG IR Qz Th Kdj 05 13 14 16 21 30 31 42 46 49 56 65 71 73 05A 13Gö 13Gğ 13Gs 13Gw 16A 21L 21Lc 21N 21Nb 31M 49F 49Fb 56F 56Fc 65A 65An 65Ai 65Am1 65Am4 65Am 65Au 65D 65Dg 65Di 65Dh 65Du 65F 65Fd 65Fe 65Fç 65Fr 65Fz 65G 65K 65Kz 65Kğ 65N 65Np 65Np1 65Np2 65Nm 73A 73Ak

**505. *Archips xylosteanus* (Linnaeus, 1758)**

Synonym(s): *xylosteana* Linnaeus, 1758; *obliquana* Fabricius, 1781; *westriniana* Thunberg, 1784; *densata* Fourcroy, 1785; *densana* Villers, 1789; *characterana* Hübner, 1793; *hybnerana* Fabricius, 1794; *pallens* Kennel, 1901 Original Reference: *Phalaena (Tortrix) xylosteana* Linnaeus, 1758, Syst. Nat. (Edn. 10): 531. Lectotype ♀: Europa, designated by Robinson & Nielsen, 1983. Range (in code): DZ PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY Cc GG SA IR Ak Mrd Gls Mz Th Dam Zj 16 18 24 34 41 56 65 16A 56F 65A 65Ai 65D 65Di 65Dlc

**506. *Cnephasia (s.str.) tianshanica* Filipjev, 1934 (Figs. 95, 96)**

Synonym(s): *tianshanica* Filipjev, 1934; *osthelderi* Obratzov, 1950; *sareptana* Razowski, 1959; *alatauana* Razowski, 1961 Original Reference: *Cnephasia tianshanica* Filipjev, 1934, Bull. Acad. Sci. URSS 134: 1407. Type: Kuldja. Range (in code): RU Sr Ur TR T-S CN Ui Ku KK KG DsA Cc GG 21 46 65 71 21L 21Lc 65A 65Ai 65N 65Nc4 65Np 65Nm Prep. no.: GP2290♂ GP2299♂ GP2451♂

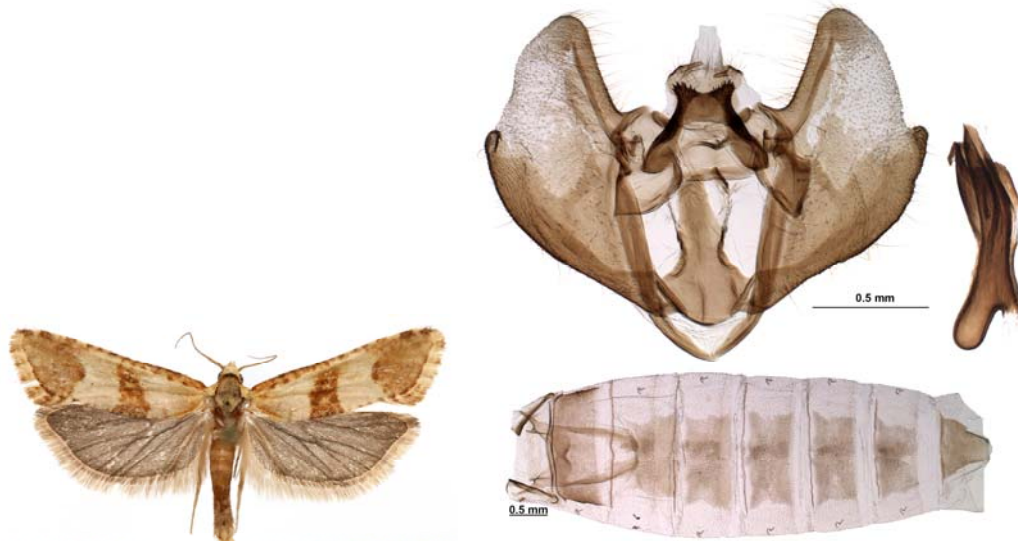


**Figs. 95, 96** - *Cnephasia tianshanica*. GP2451. Upperside of male (left). Male genitalia (right). Bahçesaray, Paşaköy 1600m (65Ai), M. Kemal (Cesa)

**507. *Cochylimorpha langeana* (Kalchberg,1897) (Figs. 97 -99)**

Synonym(s): *langeana* Kalchberg,1897; *anticyphas* Meyrick,1936; *hannemanni* Razowski,1961. Original Reference: *Conchylis langeana* Kalchberg,1897, Dt. ent. Z., Iris 10: 188. Lectotype ♀: "Haifa, Syria", designated by Razowski,1970 (NHMW). Range (in code): IL Hf Jt Pa TR LB Bmm IR Th o6 31 65 71 o6F 31M 65A 65Am4 65N 65Np8 65Nm Prep. no: GP2173♂ GP2688♂

This species was previously collected from Gören Mount [65Nm] in Van Province but not published (GP2173) (Kemal & Koçak, 2014). Both records are new to the fauna of Van Province.



**Figs. 97 -99** – *Cochylimorpha langeana*. Male, male genitalia and abdominal skin (GP2688♂). Bahçesaray, Upper Mukus Valley 1840m (65Am4), M. Kemal (Cesa)

**508. *Cochylimorpha straminea* (Haworth,[1811]) (Figs. 100 -102)**

Synonym(s): *straminea* Haworth,[1811]; *tischerana* Treitschke,1830; *sudana* Duponchel,1836; *substraminea* Ragonot,1895; *scabiosa* Kennel,1900; *lentiginosana* Kennel,1900; *ramessana* Rebel,1912; *numidana* Turati,1924; *glaisana* Lucas,1942; *pallens* Lucas,1954. Original Reference: *Tortrix straminea* Haworth,[1811], Lepid. Br. 3: 401. Type: Great Britain. Range (in code): Cn MA Ifr DZ Bsk Lbs Anna TN Gf Sfx LY Cy PT ES FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR CY IR Elb Mz Kdj Clu Ak Mrd Ar Km DK SE LT RU Pt Ur MD UA BY IL Pa Hf Js LB IQ Shq Hjo SY Dms Cc AM Eri AZ Len TM KG Uk o5 o6 16 31 33 35 42 46 65 76 o5A 16A 31M 42B 42R 65A 65Am 65Am4 76C Prep. no: GP2363♂

The present record is new to the fauna of Van Province.



**Figs. 100 - 102** - *Cochylimorpha straminea*, upperside of male, its genitalia and abdominal skin (GP2363♂). Bahçesaray, Upper Mukus Valley 1840m (65Am4), M. Kemal (Cesa)

**509. *Cochylis posterana* Zeller, 1847**

Synonym(s): *posterana* Zeller, 1847; *collaterana* Seebold, 1879; *nigrociliana* Kennel, 1899; *cuerana* Chrétien, 1925 Original Reference: *Cochylis posterana* Zeller, 1847, Isis 1847: 740. Type(s): Hungary (NHML) Range (in code): MA DZ PT ES An Grn FR Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK SE FI EE LV LT RU MD UA BY LB Say SY Dms Cc AM Eri KK Ik IR KuM Kh Elb Kdv Th Gls Gor Es Se Zj Ha Bk Ab Mak Ar Lo Ak Fa Sse TM Kp IQ Hjo CN Ui Ku Gn 01 05 06 14 15 16 17 30 38 42 46 49 65 05A 16A 17C 30D 30Db 42B 49F 49Fb 65A 65Am 65Am4 65D 65Df 65F 65Fç 65Fe 65Fp 65Fz 65N 65Np1 65Nm Prep. no.: GP632♂ GP2196♂ GP2312♂

**510. *Cydia pomonella* (Linnaeus, 1758)**

Synonym(s): *pomonella* Linnaeus, 1758; *pomona* Fabricius, 1775; *pomonana* [Denis & Schiffermüller], 1775; *nitens* Fourcroy, 1785; *aeneana* Villers, 1789; *putaminana* Staudinger, 1859 Original Reference: *Phalaena Tinea pomonella* Linnaeus, 1758, Syst. Nat. 10 (1): 538. Type(s): "Habitat intra Poma Pyri". Range (in code): DZ Cst Btma PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV LT RU MD UA BY IL Pa IR Gh Tgo Ss Irs Cc Fa Shr GG AZ Len Da LB Bsa SY Hal Ch PK Bl Qu CN Ui Ku Kl US MX CA AU NZ ZA 01 05 08 16 24 25 27 32 34 36 42 45 46 51 52 65 71 01K 05A 16A 65A 65Ac 65Ac3 65N 65Nc 65Np 65Nm

**511. *Dichrorampha vancouverana* McDunnough, 1935**

Synonym(s): *strigana* Haworth, [1811] nec [Denis & Schiff.], 1775; *politana* Guenée, 1845 (preocc.); *vancouverana* McDunnough, 1935; *gueneana* Obratzov, 1953 Original Reference: *Dichrorampha vancouverana* McDunnough, 1935, Can. Ent. 67: 147, fig.5. Holotype ♂: Canada, "Comox, Vancouver Is., B.C." Range (in code): ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO DK NO SE FI EE LV LT RU Us Sb MD UA Cm BY KG US Ny Mai TR CA BCo Vc 65 65A 65D 65Df Prep. no.: GP2400♂ GP2401♂

Remarks: The names of this taxon like "*strigana* Haworth" and "*politana* Guenée" proposed in the past are invalid as they are junior homonyms. McDunnough (1935) described a male from Comox, Vancouver Island in British Colombia (Canada) as "*Dichrorampha vancouverana*", which is currently valid name of the taxon under discussion. Razowski (2003) omitted this name and used *gueneana* Obratzov, 1953 as a valid name for the species. This species was recently reported by the authors from Saklıvadi (Van Prov.) and illustrated its male genitalia (Kemal & Koçak, 2017e). The species can be easily identified by its unique shape of the male genitalia and the colouration of the forewing. It is also common in Bahçesaray district.

**512. *Eana (Eutrachia) goiiana* (Linnaeus, 1761)**

Synonym(s): *#argentana* Clerck, 1759; *goiiana* Linnaeus, 1761; *govana* Fabricius, 1775; *argyria* Retzius, 1783; *gerningiana* Villers, 1789; *margaritalis* Hübner, 1790; *magnana* Hübner, [1813]; *georgiella* Hulst, 1887 Original Reference: [*Phalaena*] *goiiana* Linnaeus, 1761, Fauna Suecica (2): 349, nr.1342. Type(s): Sweden. [uninominal] Range (in code): ES FR IT GB BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR NO SE FI EE LV LT RU MD UA BY Cc GG IQ IR Elb Kdv Ha Mz Ch US Cf Col CN Ui Ku 05 14 18 38 53 65 75 05A 65A 65Ab 65Aba 75F 75Fd Prep. no.: GP793♂

The present record is new to the fauna of Van Province.

**513. *Epiblema cirsiarum* (Zeller, 1843)**

Synonym(s): *cirsiarum* Zeller, 1843 Original Reference: *Tortrix (Paedisca) cirsiarum* Zeller, 1843, Stettin ent. Ztg. 4: 150 Type: Österreich. Range (in code): GB LU AT DE DK NO SE EE TR RU Ur Us Sb KG 65 65A 65Ai 65D 65Dd 65Dda

Very difficult to decide about specific identity. Externally and the male genitalia look like very much to *Epiblema scutulanum*. This species is also found from Süphan Volcano (Bitlis Prov.) and its genitalia is similar to *cirsiarum* with some minor differences (GP2689♂) (cf. Razowski, 2003).

**514. *Epinotia festivana* (Hübner, [1799])**

Synonym(s): *festivana* Hübner, [1799] Original Reference: [*Tortrix*] *festivana* Hübner, [1799], Samml. eur. Schmett. Tortrices: pl.9 fig.52. Type: Europe. Range (in code): PT FR Sa Si IT CH AT CZ SK HU RO YU AL GR BG TR RU MD UA BY Da Cc IR 05 06 12 14 16 46 56 65 71 81 05A 06R 06Rb 12E 12Ec 16A 56F 56Fi 56Fa 65A 65Ai 65D

**515. *Eugnosta magnificana* (Rebel, 1914)**

Synonym(s): *margaritana* Hübner, [1813] nec Haw., [1811]; ? *norvichiana* Hübner, [1817] [nomina dubia!]; *magnificana* Rebel, 1914. Original Reference: *Euxanthia magnificana* Rebel, 1914, Dt. ent. Z., Iris 28:



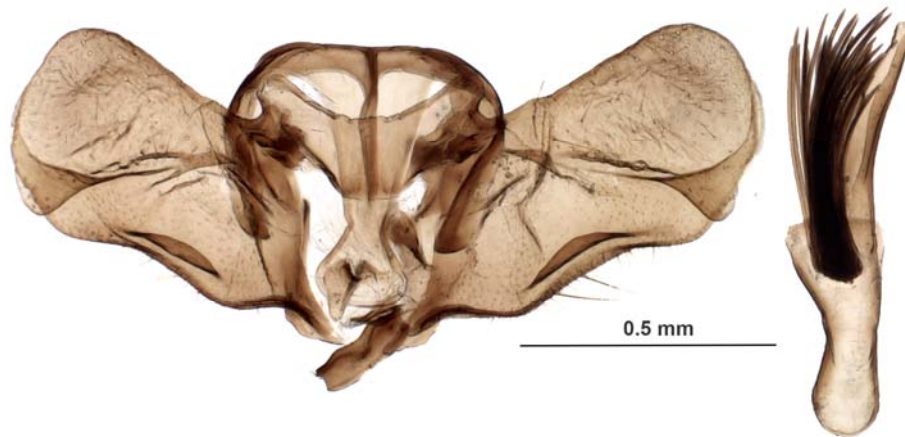
273. Lectotype ♂: [Uighur Ili]: Kuldja, designated by Razowski, 1964 (MGAB). Range (in code): ES FR Si IT DE SK HU RO YU MK RU Sr MD UA BY TR Cc AM IR Elb Dam Kdv Ar Th Kh Ak AF KG Uk T-S CN Ui Ku IMn 06 13 26 42 50 58 65 71 06R 06Rb 13G 13Gw 50G 50Gc 58G 65A 65Ab 65Aba 65Bx 65D 65Df 65G 65Ge 65K 65Ku

**516. *Falseuncaria ruficiliana* (Haworth, [1811]) (Fig. 103)**

Synonym(s): *ciliella* Hübner, [1796] nec [Denis & Schiff.], 1775; *ruficiliana* Haworth, [1811]; *coniana* Fuchs, 1903; *tectana* Fuchs, 1903. Original Reference: *Tortrix ruficiliana* Haworth, [1811], Lepid. Br.: 402. Type(s): Britain. Range (in code): ES FR Sa Si IT IE GB BE NL DE CH AT PL CZ SK HU RO AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY KG Uk DsA AF Bd CN Ui 01 05 42 65 65A 65Ab 65Aba Prep. no: GP2599♂

Only a single male, captured from Bahçesaray, has a genitalia between *rjaboviana* and *ruficiliana*; however, it looks more like *ruficiliana* Hw. (cf. Razowski, 2009: 161, fig. 346). GP2599♂.

The present record is new to the fauna of Van Province. Recently, the authors reported another species of the genus *Falseuncaria*, *degreyana* McLachlan from Çatak district (Saklıvadi), as a new species for the fauna of Turkey (Kemal & Koçak, 2017c).



**Fig. 103** – *Falseuncaria ruficiliana* GP2599. Male genitalia. Van province, Bahçesaray, Krapet Pass 2820m, 6 8 2016, M. Kemal (Cesa)

**517. *Hedya dimidioalba* (Retzius, 1783)**

Synonym(s): *dimidioalba* Retzius, 1783; *variegana* Hübner, [1799] nec [Denis & Schiff.], 1775; *nubiferana* Haworth, [1811] Original Reference: *Phalaena dimidio-alba* Retzius, 1783, Gen. Sp. Ins. Geer: 53. Range (in code): PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU Sr Ur MD UA BY Cc GG IQ Shq IR Mz Gls CA 03 06 13 14 15 17 22 31 32 34 42 65 71 13A 13Ab 13Ax 31K 31Ka 31Ka3 65A 65An 65F 65Fb

**518. *Kenneliola fagiglandana* (Zeller, 1841)**

Synonym(s): *grossana* Haworth, [1811] nec Thunb., 1791; *fagiglandana* Zeller, 1841. Original Reference: *Tortrix fagiglandana* Zeller, 1841, Stettin net. Ztg. 2: 11. Type: Germany. Range (in code): Md PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE RU MD UA Cm BY Cc GG LB Bsa SY Dms Hal JP 14 34 46 65 71 81 65A 65Ai

The present record is new to the fauna of Van Province.

**519. *Notocelia cynosbatella* (Linnaeus, 1758)**

Synonym(s): *cynosbatella* Linnaeus, 1758; *cynosbana* Fabricius, 1775; *tripunctana* [Denis & Schiffermüller], 1775; *#cynobatella* Razowski, 1966; *damascena* Tuleskov & Nikolova, 1967. Original Reference: *Phalaena (Tortrix) cynosbatella* Linnaeus, 1758, Syst. Nat. (Edn.10) 1: 536. Range (in code): PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR BG TR DK NO SE FI EE LV LT RU Ur Sb Am Prj Us MD UA BY SY Hal Dms LB Bsa IR Kdv Elb KG 05 13 14 16 42 58 65 05A 13A 13Ab 13Ax 16A 65A 65Ai 65An

The present record is new to the fauna of Van Province.

**520. *Notocelia uddmanniana* (Linnaeus, 1758)**

Synonym(s): *uddmanniana* Linnaeus, 1758; *rubiana* Scopoli, 1763; *achata* Hübner, [1799] Original Reference: *Phalaena uddmanniana* Linnaeus, 1758, Syst. Nat. (Edn.10) 1: 823. Type: Europa. Range (in code): DZ Anna ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR TR DK NO SE

FI EE LV LT RU MD UA BY LB Bei IL Pa SA AZ Len Cc GG IR Mz Th KG TJ 01 05 06 14 16 21 31 44 46 53 58 65 81 01K  
05A 16A 31K 31Ka 31Ka5 31Ka7 31M 44L 44Lc 58G 58Gb 65A 65Ai 65N 65Np 65Nm Prep. no: GP488<sup>♂</sup>

**521. *Paramesia gnomana* (Clerck,1759)**

Synonym(s): *#gnomana* Clerck,1759; *costana* [Denis & Schiffermüller],1775; *livoniana* Sodoffsky,1829; *diffusana* Kennel,1899; *montedorea* Wehrli,1925; *schawerdae* Rebel,1926; *aetnana* Zerny,1943. Original Reference: [*Phalaena*] *gnomana* Clerck,1759, Icones Ins.: pl.4 fig.13. [*uninomial*] Range (in code): ES An Mlg FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI LV LT EE RU Cc GG MD UA BY SY Hal IR KG 13 14 45 65 13A 13Ab 13Ax 65A 65Ai 65F 65Fp 65Fz

**522. *Pelochrista dagestana* Obraztsov,1949**

Synonym(s): *dagestana* Obraztsov,1949 Original Reference: *Pseudeucosma dagestana* Obraztsov,1949, Mitt. münch. ent. Ges. 35-39: 219. Holotype ♂: Russia, Daghestan (ZSM). Range (in code): UA RU Ahy Da Cc AM AZ TR 65 65A 65Aç 65D 65Df 65F 65Fp 65Fz Prep. no: GP2385<sup>♂</sup> GP2387<sup>♀</sup>

**523. *Pelochrista modicana* (Zeller,1847)**

Synonym(s): *modicana* Zeller,1847; *modestana* Herrich-Schäffer,[1851]; *definitana* Kennel,1901; *hinnebergiana* Fuchs,1902 Original Reference: *Paedisca modicana* Zeller,1847, Isis, Leipzig 1847: 727. Type(s): Sicily. Range (in code): TN PT ES FR Sa Si IT DE CH AT PL CZ SK HU RO YU AL BG RU MD UA BY TR TM KG Uk 05 16 65 05A 16A 65Am 65Am3 Prep. no: GP2399<sup>♂</sup>

The present record is new to the fauna of Van Province.



**Figs. 104, 105 - *Pelochrista modicana*. GP2399. Upperside of male (left), male genitalia (right). Bahçesaray, Upper Mukus valley 1840m (65Am3), M. Kemal (Cesa)**

**524. *Sparganothis pilleriana* ([Denis & Schiffermüller],1775)**

Synonym(s): *pilleriana* [Denis & Schiffermüller],1775 Original Reference: *Tortrix pilleriana* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 126. Type(s): Vienna district. Range (in code): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE LT IQ Shq IR Gh Tgo 01 05 16 32 33 46 48 50 65 05A 16A 65A 65Au

The present record is new to the fauna of Van Province.

**525. *Thiodia trochilana* (Frölich,1828)**

Synonym(s): *trochilana* Frölich,1828; *delitana* Fischer v. Röslerstamm,[1839]; *rieseana* Herrich-Schäffer,1851; *bracteana* Chrétien,1922 Original Reference: *Tortrix trochilana* Frölich,1828, Enum. Tortr. Württemberg.: 55. Syntypes: Deutschland, Württemberg. Range (in code): DZ MA ES FR Co Si IT DE CH AT CZ SK HU RO YU AL BG GR TR IR Kh Cc GG AM LB Say TM LV RU MD UA BY 05 16 44 65 05A 16A 44L 44Lc 65A 65Ai Prep. no: GP2304<sup>♂</sup>

The present record is new to the fauna of Van Province.

**526. *Tortrix viridana* (Linnaeus,1758)**

Synonym(s): *viridana* Linnaeus,1758; *suttneriana* [Denis & Schiffermüller],1775; *flavipes* Fourcroy,1785; *flavana* Zincken,1821 nec Hübn.,[1799]; *coeruleana* Sorhagen,1881. Original Reference: *Phalaena Tortrix viridana* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 530. Type(s): Europa. Range (in code): MA DZ Tou TN PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Kir Nv Ord AM Cc GG DK NO SE FI EE LV LT RU Da MD UA Cm BY IQ Hjo IR Fa Elb Kdv By Kz Lo GlS Kh SY Hal 03 05 06 10 12 13 16 17 34 39 42 45 50 56 65 71 75 76 06R 06Rb 12A 12Ab 12Ad 13A 13Ab 13Ac 13Ax 13C 13Cg 13G 13Gg 13Gs 13Gw 16A 56F 56Fb 56Fi 65A

65Am 65Am4 65An 65Ai 65D 65DI 65Dlc 65Dt 65Du 65F 65Fc 65Fz 65Fg 65Fr 65N 65Nc4 65Np2 65Nr2 65Nm 75F 75Fb 76C

## Yponomeutidae

### 527. *Eidophasia hufnagelii* (Zeller,1839)

Synonym(s): *hufnagelii* Zeller,1839; *hufnageliella* Duponchel,[1845] Original Reference: *Plutella hufnagelii* Zeller,1839, Isis, Oken 1839 (3): 188, Type ♀: "vielleicht aus Südeuropa". Range (in code): ES FR Si? DE CH AT CZ SK HU SS HV YU AL LV RU TR 65 65A 65Ai

The present record is new to the fauna of Turkey and Van Province.

### 528. *Plutella* (s.str.) *xylostella* (Linnaeus,1758)

Synonym(s): *xylostella* Linnaeus,1758; *cinerea* Fourcroy,1785 nec *Hufn.*,1766; *xylostei* Fabricius,1798; *maculipennis* Curtis,1832; *niveella* Zeller,1839; *cruciferarum* Zeller,1843; *brassicella* Fitch,1856; *limbipennella* Clemens,1860; *mollipedella* Clemens,1860; *cicerella* Rondani,1876; *dubiosella* Beutenmüller,1889; *albovenosa* Walsingham,1897; *megapterella* Bentinck,1943; *karsholtella* Baraniak,2003 Original Reference: *Phalaena Tinea xylostella* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 538. Range (in code): Cn DZ Ajj Gha TN PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY Cc AZ Bak TM Krn AF Hr IR Elb Kdv Dam Mz Kh GlS IQ Njf Hjo LB Bsa IL Hf Pa ZA TH MY Cmh IN Hp SA AE YE 01 06 13 21 31 34 38 42 44 48 49 65 71 13G 13Gü 13Gw 21L 21Lf 31K 31Ka 44L 44Lc 48L 49F 49Fb 65A 65Am 65Am2 65B 65Bn 65Bn1 65D 65Dy 65E 65Eb 65Ed 65F 65Fb 65Fd 65F1 65Fz 65K 65N 65Nc 65Kz 65Kg

### 529. *Yponomeuta malinella* (Zeller,1838)

Synonym(s): *malinellus* Zeller,1838 Original Reference: *Hyponomeuta malinellus* Zeller,1838, Isis Leipzig 1838: 670. Type: Germany, Glogau. Range (in code): DZ ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AM DK NO SE FI EE LV LT RU MD UA BY CN Mc KP KR JP US 05 06 13 45 56 65 05A 06R 06Rb 13A 13Ab 13Ax 56F 56F1 65A 65Ac 65Ac3 65An 65Ai 65D 65Df 65Dlc 65Fz 65N 65Np 65Nm

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